

AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT				1. CONTRACT ID CODE J		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 00003		3. EFFECTIVE DATE 05-Nov-2002		4. REQUISITION/PURCHASE REQ. NO. LWDPW JA AFH 2001-1		5. PROJECT NO.(If applicable)	
6. ISSUED BY CODE DABJ23 RATE OF CONTRACTING A AVENUE BLDG 606 FORT LEONARD WOOD MO 65473		7. ADMINISTERED BY (If other than item 6) CODE See Item 6					
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) ALL AMERICAN PAINTING INCORPORATED TED KASTANOS 11 EAST BROAD STREET RICHMOND VA 23219				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. DABT31-02-D-0003			
				X 10B. DATED (SEE ITEM 13) 05-Nov-2002			
CODE 1L4K8		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B). THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
X D. OTHER (Specify type of modification and authority) FAR 43.103(b) (3) and 52.217-0008							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) To exercise the Option Period starting 1 Dec 2002 through 30 November 2003. CLIN 0002 is applicable for this contract Option Period and funding shall be is estimated at \$ 2,294,844.50 for the period. Funding shall be cited on individual Delivery Orders. Payment shall be by Government Credit Card for actual quantities of work receive							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) DONALD F. BLOTZER / CONTRACTING OFFICER TEL: 573-598-0251 EMAIL: blotzerd@wood.army.mil			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY <u>Donner F. Blotz</u> (Signature of Contracting Officer)		16C. DATE SIGNED 07-Nov-2002	

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION 00010 - SOLICITATION CONTRACT FORM

The total cost of this contract was increased by \$2,294,822.50 from \$2,298,072.50 (EST) to \$4,592,895.00 (EST).

CLIN 0002

The option status has changed from Option to Option Exercised.

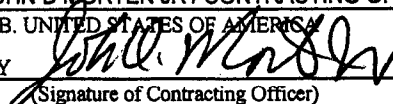
SECTION 00800 - SPECIAL CONTRACT REQUIREMENTS

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by \$2,294,822.50 from \$2,298,072.50 to \$4,592,895.00.

(End of Summary of Changes)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE J		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. PO001		3. EFFECTIVE DATE 19-Nov-2001		4. REQUISITION/PURCHASE REQ. NO. DPWWMRK-1141-N005		5. PROJECT NO. (If applicable)	
6. BY DIRECTORATE OF CONTRACTING PO BOX 140 FORT LEONARD WOOD MO 65473-0140		CODE DABT31		7. ADMINISTERED BY (If other than item 6) See Item 6		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) ALL AMERICAN PAINTING INC TED KASTANOS 11 EAST BROAD STREET RICHMOND VA 23219				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. DABT31-02-D-0003			
				X 10B. DATED (SEE ITEM 13) 15-Oct-2001			
CODE 1L4K8		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
E ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The modification is issued to revised the Bid Schedule and rotate the dollar amount and the quantity.. This is necessary in order to have available more than 1 quantity, which would be used up on the first Delivery Order; and facilitates more than a total 1 Delivery Order being issued over the life of the contract. Contract award amount remains the same. Poool was not issued.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) JOHN D MORTEN JR / CONTRACTING OFFICER			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY 		16C. DATE SIGNED 19-Nov-2001	
(Signature of person authorized to sign)				(Signature of Contracting Officer)			

DITION TO SF 30
VED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

Changes in Section 00010

CLIN 0001

The pricing detail quantity has increased from 1.00 by 2,298,071.50 to 2,298,072.50
The unit price amount has decreased from \$2,298,072.50 by \$2,298,071.50 to \$1.00

CLIN 0002

The pricing detail quantity has increased from 1.00 by 2,294,821.50 to 2,294,822.50
The unit price amount has decreased from \$2,294,822.50 by \$2,294,821.50 to \$1.00

Changes in Section 00800

Summary for the Payment Office

The total funded amount of the contract remains unchanged.

SOLICITATION, OFFER, AND AWARD <i>(Construction, Alteration, or Repair)</i>	1. SOLICITATION NO.	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED 15-Oct-2001	PAGE OF PAGES 1 OF 5
IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.				
4. CONTRACT NO. DABT31-02-D-0003	5. REQUISITION/PURCHASE REQUEST NO. LWDPW JA AFH 2001-1		6. PROJECT NO.	
7. ISSUED BY DIRECTORATE OF CONTRACTING 581 IOWA AVENUE BLDG 606 FORT LEONARD WOOD MO 65473 TEL: 573-596-0266 FAX: 573-596-0267	CODE DABJ23	8. ADDRESS OFFER TO (If Other Than Item 7) CODE <div style="text-align: center; padding: 10px;">See Item 7</div>		
9. FOR INFORMATION CALL:	A. NAME	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS)		
SOLICITATION				
NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".				
10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):				
11. The Contractor shall begin performance within _____ calendar days and complete it within _____ calendar days after receiving <input type="checkbox"/> award, <input type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory, <input type="checkbox"/> negotiable. (See 52.211-10.)				
12 A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES," indicate within how many calendar days after award in Item 12B.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			12B. CALENDAR DAYS 10	
13. ADDITIONAL SOLICITATION REQUIREMENTS:				
A. Sealed offers in original and _____ copies to perform the work required are due at the place specified in Item 8 by _____ (hour) local time _____ (date). If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.				
B. An offer guarantee <input type="checkbox"/> is, <input type="checkbox"/> is not required.				
C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.				
D. Offers providing less than _____ calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.				

SOLICITATION, OFFER, AND AWARD (Continued)*(Construction, Alteration, or Repair)***OFFER (Must be fully completed by offeror)**

NAME AND ADDRESS OF OFFEROR (Include ZIP Code) AMERICAN PAINTING INCORPORATED TED KASTANOS 11 EAST BROAD STREET RICHMOND VA 23219		15. TELEPHONE NO. (Include area code) 804-644-0777
CODE 1L4K8		16. REMITTANCE ADDRESS (Include only if different than Item 14) See Item 14
FACILITY CODE		

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirements stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)

AMOUNTS	SEE SCHEDULE OF PRICES
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18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS*(The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)*

AMENDMENT NO.										
DATE										

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN
OFFER (Type or print)

20B. SIGNATURE

20C. OFFER DATE

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

SEE SCHEDULE

AMOUNT 38,072.50 EST	23. ACCOUNTING AND APPROPRIATION DATA See Schedule	
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM Block 27	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c) <input type="checkbox"/> 41 U.S.C. 253(c)
26. ADMINISTERED BY See Item 7	CODE	27. PAYMENT WILL BE MADE BY: INTERNTL MERCHANT PURCHASE AUTH CARD 581 IOWA AVENUE P O BOX 140 FORT LEONARD WOOD MO 65473

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ as to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications or incorporated by reference in or attached to this contract.	<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.	
30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)	31A. NAME OF CONTRACTING OFFICER (Type or print) Donald F. Blotzer / Contracting Officer TEL: 573-596-0251 EMAIL: blotzerd@wood.army.mil	
30B. SIGNATURE	30C. DATE	
31B. UNITED STATES OF AMERICA BY		31C. AWARD DATE 05-Nov-2002

Section 00010 - Solicitation Contract Form

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
0001		1	Lot	\$2,298,072.50	\$2,298,072.50 EST

Services IAW Base Period Task List

FFP

BASE PERIOD - 01 DECEMBER 2001 THROUGH 30 NOVEMBER

2002. Family Housing Repairs, Painting and Floor Refinishing IAW Contract Specifications and the Base Period Task List. NOTE: Bidders shall provide unit prices for the task items found at the end of this Section. Estimated amounts shall be calculated for each task item based on the estimated quantities, with the total task list estimated amount entered at Item 0001. PAYMENT FOR WORK

PERFORMED AND ACCEPTED WILL BE MADE

USING THE GOVERNMENT'S IMPAC CREDIT CARD. THE

CONTRACTOR AWARDED THIS CONTRACT SHALL BE CAPABLE OF ACCEPTING AND PROCESSING THE GOVERNMENT'S IMPAC CREDIT CARD DURING THE LIFE OF THE CONTRACT.

PURCHASE REQUEST NUMBER: LWDPW JA AFH 2001-1

ESTIMATED
NET AMT

\$2,298,072.50 (EST.)

Funded Amount

\$0.00

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
0002 OPTION	Services IAW First Option Period Task FFP List	1	Lot	\$2,294,822.50	\$2,294,822.50 EST

FIRST OPTION PERIOD - 01 DECEMBER 2002 THROUGH 30
NOVEMBER 2003. Family Housing Repairs, Painting and Floor Refinishing
IAW Contract Specifications and the First Option Period Task List. NOTE:
Bidders shall provide units prices for the task items found at the end of this
Section. Estimated amounts shall be calculated for each task item based on the
estimated quantities, with the total task list estimated amount entered at Item 0002.
PAYMENT FOR WORK PERFORMED AND ACCEPTED WILL BE
MADE USING THE GOVERNMENT'S IMPAC CREDIT CARD. THE
CONTRACTOR AWARDED THIS CONTRACT SHALL BE CAPABLE OF
ACCEPTING AND PROCESSING THE GOVERNMENT'S IMPAC CREDIT
CARD DURING THE LIFE OF THE CONTRACT.
PURCHASE REQUEST NUMBER: LWDPW JA AFH 2001-1

ESTIMATED
NET AMT

\$2,294,822.50 (EST.)

Funded Amount

\$0.00

Section 00800 - Special Contract Requirements

SOLICITATION, OFFER, AND AWARD <i>(Construction, Alteration, or Repair)</i>	1. SOLICITATION NO. DABT31-01-B-0009-0002	2. TYPE OF SOLICITATION <input checked="" type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED 15-Oct-2001	PAGE OF PAGES 1 OF 148
	IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.			

4. CONTRACT NO. DABT31-02-D-0003	5. REQUISITION/PURCHASE REQUEST NO.	6. PROJECT NO.
7. ISSUED BY DIRECTORATE OF CONTRACTING PO BOX 140 FORT LEONARD WOOD MO 65473-0140 TEL: 573-596-0266 FAX: 573-596-0267	CODE DABT31	8. ADDRESS OFFER TO (If Other Than Item 7) See Item 7 CODE
9. FOR INFORMATION CALL:	A. NAME FREDERICK W BLOCH	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) 573-596-0265

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):

Invitation For Bids (IFB) Number: DABT31-01-B-0009

Title: Family Housing Repairs, Painting, and Floor Refinishing at Fort Leonard Wood, Missouri.

From Descriptions (Drawing) applicable to this Project are included in Section 00800 of the Specifications.

1 of this Project will be made pursuant to the Small Business Competitive Demonstration Program. This is an unrestricted acquisition IAW FAR part 19.10..

HANDCARRIED BIDS MAY BE TURNED IN AT THE DIRECTORATE OF CONTRACTING'S RECEPTIONIST DESK, BUILDING 606, 561 IOWA AVENUE, FORT LEONARD WOOD, MISSOURI, MONDAY - FRIDAY BETWEEN THE HOURS OF 7:30 A.M. AND 4:00 P.M..

A Pre-Bid Conference is scheduled for 21 August 2001, 10:00 A.M., at the Directorate of Contracting, Building 606, 561 Iowa Avenue, Fort Leonard Wood, Missouri.

THE GOVERNMENT INTENDS TO USE THE GOVERNMENT CREDIT CARD TO PAY FOR WORK PERFORMED UNDER THE AWARDED CONTRACT. THE SUCCESSFUL BIDDER SHALL OBTAIN/MAINTAIN THE CAPABILITY OF ACCEPTING THE GOVERNMENT CREDIT CARD FOR PAYMENT DURING THE LIFE OF THE CONTRACT.

11. The Contractor shall begin performance within _____ calendar days and complete it within _____ calendar days after receiving
☐ award, ☐ notice to proceed. This performance period is ☒ mandatory, ☐ negotiable. (See 52.211-10.)

12 A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS?
(If "YES," indicate within how many calendar days after award in Item 12B.)

12B. CALENDAR DAYS

☒ YES ☐ NO

10

13. ADDITIONAL SOLICITATION REQUIREMENTS:

A. Sealed offers in original and _____ 0 _____ copies to perform the work required are due at the place specified in Item 8 by _____ 13:00:00 (hour) local time _____ 9/11/01 (date). If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

B. An offer guarantee ☒ is, ☐ is not required.

offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.

Offers providing less than _____ 60 _____ calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

SOLICITATION, OFFER, AND AWARD (Continued)
(Construction, Alteration, or Repair)**OFFER (Must be fully completed by offeror)**

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code) AMERICAN PAINTING INC TANOS 11 EAST BROAD STREET RICHMOND VA 23219		15. TELEPHONE NO. (Include area code) 804-644-0777
16. REMITTANCE ADDRESS (Include only if different than Item 14) See Item 14		
CODE 1L4K8	FACILITY CODE	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirements stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)

AMOUNTS SEE SCHEDULE OF PRICES

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)

AMENDMENT NO.										
DATE										

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN
OFFER (Type or print)

20B. SIGNATURE

20C. OFFER DATE

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

SEE SCHEDULE

22. AMOUNT \$2,298,072.50	23. ACCOUNTING AND APPROPRIATION DATA See Schedule	
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM Block 27	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c) <input type="checkbox"/> 41 U.S.C. 253(c)
26. ADMINISTERED BY DIRECTORATE OF CONTRACTING PO BOX 140 FORT LEONARD WOOD MO 65473-0140	CODE DABT31	27. PAYMENT WILL BE MADE BY INTERNATIONAL MERCHANT PURCHASE 561 IOWA AVENUE P O BOX 140 FORT LEONARD WOOD MO 65473-0140

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

☐ 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications or incorporated by reference in or attached to this contract.

☐ 29. AWARD (Contractor is not required to sign this document.)

Your offer on this solicitation, is hereby accepted as to the items listed. This award summarizes the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)

31A. NAME OF CONTRACTING OFFICER (Type or print)
DONALD F. BLOTZER / CONTRACTING OFFICER

30B. SIGNATURE

30C. DATE

31B. UNITED STATES OF AMERICA
BY 

31C. AWARD DATE
18-Oct-2001

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

1. Reference Base Period and Option Period One Task Number's 138 and 338 respectively, Provide window screens where missing or beyond repair: CHANGE "Units" from "SF" to "LF".

2. Reference Base Period and Option Period One Task Number's 142 and 342 respectively, Remove and dispose of asbestos containing sheet-vinyl flooring: CHANGE "Description" to read as follows: "Remove and dispose of asbestos containing sheet-vinyl flooring and install 1/4" plywood underlayment".

3. ADD the following Task Numbers to the Base Period Task List:

144	Painting typical quarter - 4 Essayons, Type "DCG4"	1	QTR	\$ _____	\$ _____
145	Remodel bathroom #2 in Type "W" quarters	5	QTR	\$ _____	\$ _____

4. ADD the following Task Numbers to the Option Period Task List:

344	Painting typical quarter - 4 Essayons, Type "DCG4"	1	QTR	\$ _____	\$ _____
345	Remodel bathroom #2 in Type "W" quarters	5	QTR	\$ _____	\$ _____

5. ADD the following sentence as the next-to-last sentence of the Specifications, Section 01010, Paragraph 3.3.1.: "An additional five (5) days will be allowed for Type "W" quarters that receive a bathroom renovation unless painting, floor refinishing and bathroom renovation are required, for which a total of eleven (11) days will be allowed."

6. REVISE Specifications, Section 01010, Paragraph 3.6.4., second sentence, to read: "During periods of hot weather, thermostats shall not be set any lower than 78 degrees Fahrenheit."

7. Reference Specifications, Section 06100: ADD the following new Paragraph 3.6., RENOVATE BATHROOM #2 IN TYPE "W" QUARTERS.

"3.6. RENOVATE BATHROOM #2 IN TYPE "W" QUARTERS: The Contractor shall demo all existing wall, ceiling and floor surfaces with exception of front wall (wall with door), which shall include ceramic tile shower, lead shower pan, plaster on walls and ceilings, wing wall (including structural lumber), vinyl floor, wall base, etc. Contractor shall replace structural lumber under floor as needed for installation of new sub floor and shower pan. Contractor shall install new 3/4" plywood sub floor and whatever other plywood needed to raise floor under shower to match that in the rest of the bathroom (1/2" plywood 1/4" underlayment was needed in test house). Contractor shall frame front wall (wall with faucet) of shower to match size of new shower pan and hang & finish new water resistant 1/2" sheetrock (green board) on all walls and ceiling. Contractor shall install new 48" x 34" plastic shower pan and 1/8" thick plastic shower wall kit with corner channels back-caulked during installation. Shower kit shall extend from shower pan to ceiling. Contractor shall move/replace drain line as needed to match up with new shower pan and install new chrome colored shower drain kit. Contractor shall install new faucet matching those currently being installed in showers under this contract. Contractor shall paint all exposed wall surfaces per Section 09900 of contract specifications. Contractor shall install new vinyl flooring and new wood baseboard to match existing. Contractor shall install carpet bar where vinyl floor meets the shower pan, back-caulking the carpet bar prior to installation. Contractor shall install a chrome colored, spring loaded, removable shower curtain rod inside shower enclosure. Contractor shall install chrome colored toilet paper holder screwed to wall behind/adjacent to toilet. Contractor shall construct dust curtain when working in occupied quarters for this work. Contractor shall follow all other applicable sections of this contract while accomplishing this work."

8. Reference Specifications: REPLACE "TYPICAL QUARTERS" Exhibit with REVISED "TYPICAL QUARTERS" Exhibit.

9. REPLACE Base Period Task List and Option Period Task List with REVISED Base Period Task List and REVISED Option Period Task List.

SECTION 00010 Solicitation Contract Form

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
0001		1.00	Lot	\$2,298,072.50	\$2,298,072.50 EST

Services IAW Base Period Task List
FFP - BASE PERIOD - 01 DECEMBER 2001 THROUGH 30 NOVEMBER
2002. Family Housing Repairs, Painting and Floor Refinishing IAW Contract
Specifications and the Base Period Task List. NOTE: Bidders shall provide
unit prices for the task items found at the end of this Section. Estimated
amounts shall be calculated for each task item based on the estimated
quantities, with the total task list estimated amount entered at Item 0001.
PAYMENT FOR WORK PERFORMED AND ACCEPTED WILL BE MADE
USING THE GOVERNMENT'S IMPAC CREDIT CARD. THE
CONTRACTOR AWARDED THIS CONTRACT SHALL BE CAPABLE OF
ACCEPTING AND PROCESSING THE GOVERNMENT'S IMPAC CREDIT
CARD DURING THE LIFE OF THE CONTRACT.
PURCHASE REQUEST NUMBER LWDPW JA AFH 2001-1

ESTIMATED
NET AMT

\$2,298,072.50

ACRN AA Funded Amount

\$0.00

ITEM NO	SUPPLIES/SERVICES	ESTIMATED QUANTITY	UNIT	UNIT PRICE	ESTIMATED AMOUNT
0002		1.00	Lot	\$2,294,822.50	\$2,294,822.50 EST

Services IAW First Option Period Task List
 FFP - FIRST OPTION PERIOD - 01 DECEMBER 2002 THROUGH 30
 NOVEMBER 2003. Family Housing Repairs, Painting and Floor Refinishing
 IAW Contract Specifications and the First Option Period Task List. NOTE:
 Bidders shall provide units prices for the task items found at the end of this
 Section. Estimated amounts shall be calculated for each task item based on the
 estimated quantities, with the total task list estimated amount entered at Item
 0002. PAYMENT FOR WORK PERFORMED AND ACCEPTED WILL BE
 MADE USING THE GOVERNMENT'S IMPAC CREDIT CARD. THE
 CONTRACTOR AWARDED THIS CONTRACT SHALL BE CAPABLE OF
 ACCEPTING AND PROCESSING THE GOVERNMENT'S IMPAC CREDIT
 CARD DURING THE LIFE OF THE CONTRACT.
 PURCHASE REQUEST NUMBER LWDPW JA AFH 2001-1

ESTIMATED
NET AMT

\$2,294,822.50

ACRN AA Funded Amount

\$0.00

DELIVERY INFORMATION

CLINS	DELIVERY DATE	UNIT OF ISSUE	QUANTITY	FOB	SHIP TO ADDRESS
0001	POP 01-DEC-01 TO 30-NOV-02	Lot	1.00	Dest.	DIRECTORATE OF PUBLIC WORKS LWDPW JIM ALLISON / ELECTRICAL ENGINEER CONTRACT INSP BR ENGR DIV 1334 FIRST ST BLDG 2202 FORT LEONARD WOOD MO 65473- 8944
0002	POP 01-DEC-02 TO 30-NOV-03	Lot	1.00	Dest.	Same as CLIN 0001

NOTES:

- The quantities contained on the Task List represent the Government's best estimate of its requirements for the period of contract performance. The Contractor acknowledges that the quantity listed for each numbered task in the Task List is an estimated quantity; and the contractor will only be paid for the actual quantities ordered, received and accepted by the designated Government Inspector. The Government reserves the right to order quantities in excess of the stated estimated quantities on the Task List in Section 00010. However, such

quantities will not exceed 100 percent of the total estimated contract dollar amount. It is estimated that the Government's requirements for any additional quantities of work for each numbered task will be in approximately the same proportions that each task currently bears to the entire estimate; however, mathematical precision is not required. The contractor shall perform work on these quantities at the same bid price. The contractor's lack of receipt of quantities in excess of the estimated quantities specified in the Task List shall not entitle the Contractor to an equitable adjustment. Nor does the Government guarantee that the quantities ordered shall equal the estimates contained in the Task List. See Clause 52.216-21.

2. **ORDERING REQUIREMENTS.** This is a requirements contract as defined in the clause entitled 52.216-21 REQUIREMENTS. Delivery Orders shall be issued on a monthly basis pursuant to the clause entitled 52.216-18 ORDERING. The delivery order shall cite the applicable line item CLIN 0001 or CLIN 0002 based on the current year of contract performance and a total monthly estimate for the line item. Attached to each delivery order shall be a Task List containing a list of the numbered tasks and the quantities of each task the Government in good faith believes will be needed during the month covered by the delivery order. The total dollar value of the tasks indicated on the monthly Task List shall equal the amount indicated on the monthly Delivery Order. **THE GOVERNMENT DOES NOT GUARANTEE THAT THE WORK ACTUALLY ISSUED TO THE CONTRACTOR EACH MONTH WILL EQUAL THE SUM INDICATED ON THE MONTHLY DELIVERY ORDER.**
3. **ISSUANCE OF WORK.** Work requirements will actually be issued to the Contractor by the DPW Inspection Branch on a daily basis as specified in Section 01010 of the specifications. There is no guarantee that the quantities of work for each numbered task stated on the monthly task list will equal the actual work requirements for each task required in the actual sets of Family Housing Quarters issued to the Contractor by the Government per Section 01010.
4. The contractor will be paid for actual quantities ordered, received, and accepted by the designated Directorate of Public Works, Inspection Branch (DPE-EI) Government Inspector. Invoices received in excess of the total delivery order amount (Block 25 of the DD Form 1155) will not be authorized for payment without prior approval of the Contracting Officer.
5. The Government intends to use the Government Credit Card to pay for actual quantities received and approved for payment under this contract. **THE SUCCESSFUL BIDDER SHALL OBTAIN AND MAINTAIN, DURING THE LIFE OF THIS CONTRACT, THE CAPABILITY OF ACCEPTING THE GOVERNMENT CREDIT CARD.**
6. Payments will be made on the basis of the signed original invoice submitted by the contractor to the Contracting Officer with a copy submitted to the Directorate of Public Works, Inspection Branch (DPW-EI). The Government will process payments for items received under this contract through the Government Credit Card System.
7. Award will be made to a single bidder. **BIDDERS SHALL INCLUDE UNIT PRICES FOR EACH ITEM. FAILURE TO INCLUDE UNIT PRICES FOR EACH ITEM WILL BE CAUSE FOR REJECTION OF THE ENTIRE BID.** The Government will evaluate bids on the basis of the estimated quantities shown. Award will be made to that responsive, responsible bidder whose total aggregate bid for the combined Base Period and Option Year One offers the lowest price to the Government.
8. FAR Clause 52.232-33, Mandatory Information for Electronic Funds Transfer Payment, is not applicable for this requirement. Payments will be made by use of the Government Credit Card.
9. The word "remove" as used herein shall be understood to mean "remove and dispose of in a lawful manner off the installation".
10. The word "provide" as used herein shall be understood to mean "furnish and install".
11. The Contracting Officer may exercise the option by giving the contractor written notice anytime before contract expiration or within 30 calendar days after funds for the exercise of this option becomes available to the

Contracting Officer, whichever date is later. (This note is applicable to FAR Clause 52.217-8 listed in Section 00700.)

1. The first group of people who are not allowed to enter the country are those who are not citizens of the United States.

[illegible]

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1973).

[illegible]

SECRET

1. *Επικύρωση* (αποδοχή) του άρθρου 101 του Συντάγματος, σύμφωνα με το οποίο η Ελληνική Δημοκρατία είναι «*δημοκρατία, όπου η εξουσία ανήκει στο λαό, ο οποίος την υφιστάται μέσω των αντιπροσώπων του*».

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

RECEIVED AT THE NATIONAL BUREAU OF INVESTIGATION, U.S. DEPARTMENT OF JUSTICE, ON 10-10-64
FROM THE NEW YORK OFFICE OF THE FBI, ON 10-10-64, BY AIR MAIL, REGISTERED MAIL, FIRST CLASS, 10-10-64

03-201-77K

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99,100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 9

By 1990, the number of people in the United States who were over 65 years of age had increased to 35 million, or 13 percent of the total population. By 2000, the number of people over 65 was projected to increase to 45 million, or 15 percent of the total population. The number of people over 65 who were living alone was projected to increase from 10 million in 1990 to 15 million in 2000. The number of people over 65 who were living with a spouse was projected to increase from 10 million in 1990 to 12 million in 2000. The number of people over 65 who were living with a child was projected to increase from 5 million in 1990 to 7 million in 2000. The number of people over 65 who were living with a grandchild was projected to increase from 2 million in 1990 to 3 million in 2000. The number of people over 65 who were living with a partner was projected to increase from 1 million in 1990 to 2 million in 2000. The number of people over 65 who were living with a friend was projected to increase from 1 million in 1990 to 2 million in 2000. The number of people over 65 who were living with a neighbor was projected to increase from 1 million in 1990 to 2 million in 2000. The number of people over 65 who were living with a stranger was projected to increase from 1 million in 1990 to 2 million in 2000.

[illegible]

1977-1978, 1978-1979, 1979-1980, 1980-1981, 1981-1982, 1982-1983, 1983-1984, 1984-1985, 1985-1986, 1986-1987, 1987-1988, 1988-1989, 1989-1990, 1990-1991, 1991-1992, 1992-1993, 1993-1994, 1994-1995, 1995-1996, 1996-1997, 1997-1998, 1998-1999, 1999-2000, 2000-2001, 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025, 2025-2026, 2026-2027, 2027-2028, 2028-2029, 2029-2030, 2030-2031, 2031-2032, 2032-2033, 2033-2034, 2034-2035, 2035-2036, 2036-2037, 2037-2038, 2038-2039, 2039-2040, 2040-2041, 2041-2042, 2042-2043, 2043-2044, 2044-2045, 2045-2046, 2046-2047, 2047-2048, 2048-2049, 2049-2050, 2050-2051, 2051-2052, 2052-2053, 2053-2054, 2054-2055, 2055-2056, 2056-2057, 2057-2058, 2058-2059, 2059-2060, 2060-2061, 2061-2062, 2062-2063, 2063-2064, 2064-2065, 2065-2066, 2066-2067, 2067-2068, 2068-2069, 2069-2070, 2070-2071, 2071-2072, 2072-2073, 2073-2074, 2074-2075, 2075-2076, 2076-2077, 2077-2078, 2078-2079, 2079-2080, 2080-2081, 2081-2082, 2082-2083, 2083-2084, 2084-2085, 2085-2086, 2086-2087, 2087-2088, 2088-2089, 2089-2090, 2090-2091, 2091-2092, 2092-2093, 2093-2094, 2094-2095, 2095-2096, 2096-2097, 2097-2098, 2098-2099, 2099-2100, 2100-2101, 2101-2102, 2102-2103, 2103-2104, 2104-2105, 2105-2106, 2106-2107, 2107-2108, 2108-2109, 2109-2110, 2110-2111, 2111-2112, 2112-2113, 2113-2114, 2114-2115, 2115-2116, 2116-2117, 2117-2118, 2118-2119, 2119-2120, 2120-2121, 2121-2122, 2122-2123, 2123-2124, 2124-2125, 2125-2126, 2126-2127, 2127-2128, 2128-2129, 2129-2130, 2130-2131, 2131-2132, 2132-2133, 2133-2134, 2134-2135, 2135-2136, 2136-2137, 2137-2138, 2138-2139, 2139-2140, 2140-2141, 2141-2142, 2142-2143, 2143-2144, 2144-2145, 2145-2146, 2146-2147, 2147-2148, 2148-2149, 2149-2150, 2150-2151, 2151-2152, 2152-2153, 2153-2154, 2154-2155, 2155-2156, 2156-2157, 2157-2158, 2158-2159, 2159-2160, 2160-2161, 2161-2162, 2162-2163, 2163-2164, 2164-2165, 2165-2166, 2166-2167, 2167-2168, 2168-2169, 2169-2170, 2170-2171, 2171-2172, 2172-2173, 2173-2174, 2174-2175, 2175-2176, 2176-2177, 2177-2178, 2178-2179, 2179-2180, 2180-2181, 2181-2182, 2182-2183, 2183-2184, 2184-2185, 2185-2186, 2186-2187, 2187-2188, 2188-2189, 2189-2190, 2190-2191, 2191-2192, 2192-2193, 2193-2194, 2194-2195, 2195-2196, 2196-2197, 2197-2198, 2198-2199, 2199-2200, 2200-2201, 2201-2202, 2202-2203, 2203-2204, 2204-2205, 2205-2206, 2206-2207, 2207-2208, 2208-2209, 2209-2210, 2210-2211, 2211-2212, 2212-2213, 2213-2214, 2214-2215, 2215-2216, 2216-2217, 2217-2218, 2218-2219, 2219-2220, 2220-2221, 2221-2222, 2222-2223, 2223-2224, 2224-2225, 2225-2226, 2226-2227, 2227-2228, 2228-2229, 2229-2230, 2230-2231, 2231-2232, 2232-2233, 2233-2234, 2234-2235, 2235-2236, 2236-2237, 2237-2238, 2238-2239, 2239-2240, 2240-2241, 2241-2242, 2242-2243, 2243-2244, 2244-2245, 2245-2246, 2246-2247, 2247-2248, 2248-2249, 2249-2250, 2250-2251, 2251-2252, 2252-2253, 2253-2254, 2254-2255, 2255-2256, 2256-2257, 2257-2258, 2258-2259, 2259-2260, 2260-2261, 2261-2262, 2262-2263, 2263-2264, 2264-2265, 2265-2266, 2266-2267, 2267-2268, 2268-2269, 2269-2270, 2270-2271, 2271-2272, 2272-2273, 2273-2274, 2274-2275, 2275-2276, 2276-2277, 2277-2278, 2278-2279, 2279-2280, 2280-2281, 2281-2282, 2282-2283, 2283-2284, 2284-2285, 2285-2286, 2286-2287, 2287-2288, 2288-2289, 2289-2290, 2290-2291, 2291-2292, 2292-2293, 2293-2294, 2294-2295, 2295-2296, 2296-2297, 2297-2298, 2298-2299, 2299-2300, 2300-2301, 2301-2302, 2302-2303, 2303-2304, 2304-2305, 2305-2306, 2306-2307, 2307-2308, 2308-2309, 2309-2310, 2310-2311, 2311-2312, 2312-2313, 2313-2314, 2314-2315, 2315-2316, 2316-2317, 2317-2318, 2318-2319, 2319-2320, 2320-2321, 2321-2322, 2322-2323, 2323-2324, 2324-2325, 2325-2326, 2326-2327, 2327-2328, 2328-2329, 2329-2330, 2330-2331, 2331-2332, 2332-2333, 2333-2334, 2334-2335, 2335-2336, 2336-2337, 2337-2338, 2338-2339, 2339-2340, 2340-2341, 2341-2342, 2342-2343, 2343-2344, 2344-2345, 2345-2346, 2346-2347, 2347-2348, 2348-2349, 23

ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ «РАСЧЕТ»

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 05-01-2001 BY 60322 UCBAW

1. The first part of the document is a letter from the President of the United States to the Congress, dated January 1, 1861. It is a very important document, as it sets out the President's policy on the secession of the Southern States. The President states that he is bound to maintain the Union, and that he will use all the power at his disposal to do so. He also states that he will not interfere with the rights of the States, but that he will not allow them to secede from the Union.

1990-1991 1991-1992 1992-1993 1993-1994 1994-1995 1995-1996 1996-1997 1997-1998 1998-1999 1999-2000 2000-2001 2001-2002 2002-2003 2003-2004 2004-2005 2005-2006 2006-2007 2007-2008 2008-2009 2009-2010 2010-2011 2011-2012 2012-2013 2013-2014 2014-2015 2015-2016 2016-2017 2017-2018 2018-2019 2019-2020 2020-2021 2021-2022 2022-2023 2023-2024 2024-2025 2025-2026 2026-2027 2027-2028 2028-2029 2029-2030 2030-2031 2031-2032 2032-2033 2033-2034 2034-2035 2035-2036 2036-2037 2037-2038 2038-2039 2039-2040 2040-2041 2041-2042 2042-2043 2043-2044 2044-2045 2045-2046 2046-2047 2047-2048 2048-2049 2049-2050 2050-2051 2051-2052 2052-2053 2053-2054 2054-2055 2055-2056 2056-2057 2057-2058 2058-2059 2059-2060 2060-2061 2061-2062 2062-2063 2063-2064 2064-2065 2065-2066 2066-2067 2067-2068 2068-2069 2069-2070 2070-2071 2071-2072 2072-2073 2073-2074 2074-2075 2075-2076 2076-2077 2077-2078 2078-2079 2079-2080 2080-2081 2081-2082 2082-2083 2083-2084 2084-2085 2085-2086 2086-2087 2087-2088 2088-2089 2089-2090 2090-2091 2091-2092 2092-2093 2093-2094 2094-2095 2095-2096 2096-2097 2097-2098 2098-2099 2099-2100 2100-2101 2101-2102 2102-2103 2103-2104 2104-2105 2105-2106 2106-2107 2107-2108 2108-2109 2109-2110 2110-2111 2111-2112 2112-2113 2113-2114 2114-2115 2115-2116 2116-2117 2117-2118 2118-2119 2119-2120 2120-2121 2121-2122 2122-2123 2123-2124 2124-2125 2125-2126 2126-2127 2127-2128 2128-2129 2129-2130 2130-2131 2131-2132 2132-2133 2133-2134 2134-2135 2135-2136 2136-2137 2137-2138 2138-2139 2139-2140 2140-2141 2141-2142 2142-2143 2143-2144 2144-2145 2145-2146 2146-2147 2147-2148 2148-2149 2149-2150 2150-2151 2151-2152 2152-2153 2153-2154 2154-2155 2155-2156 2156-2157 2157-2158 2158-2159 2159-2160 2160-2161 2161-2162 2162-2163 2163-2164 2164-2165 2165-2166 2166-2167 2167-2168 2168-2169 2169-2170 2170-2171 2171-2172 2172-2173 2173-2174 2174-2175 2175-2176 2176-2177 2177-2178 2178-2179 2179-2180 2180-2181 2181-2182 2182-2183 2183-2184 2184-2185 2185-2186 2186-2187 2187-2188 2188-2189 2189-2190 2190-2191 2191-2192 2192-2193 2193-2194 2194-2195 2195-2196 2196-2197 2197-2198 2198-2199 2199-2200 2200-2201 2201-2202 2202-2203 2203-2204 2204-2205 2205-2206 2206-2207 2207-2208 2208-2209 2209-2210 2210-2211 2211-2212 2212-2213 2213-2214 2214-2215 2215-2216 2216-2217 2217-2218 2218-2219 2219-2220 2220-2221 2221-2222 2222-2223 2223-2224 2224-2225 2225-2226 2226-2227 2227-2228 2228-2229 2229-2230 2230-2231 2231-2232 2232-2233 2233-2234 2234-2235 2235-2236 2236-2237 2237-2238 2238-2239 2239-2240 2240-2241 2241-2242 2242-2243 2243-2244 2244-2245 2245-2246 2246-2247 2247-2248 2248-2249 2249-2250 2250-2251 2251-2252 2252-2253 2253-2254 2254-2255 2255-2256 2256-2257 2257-2258 2258-2259 2259-2260 2260-2261 2261-2262 2262-2263 2263-2264 2264-2265 2265-2266 2266-2267 2267-2268 2268-2269 2269-2270 2270-2271 2271-2272 2272-2273 2273-2274 2274-2275 2275-2276 2276-2277 2277-2278 2278-2279 2279-2280 2280-2281 2281-2282 2282-2283 2283-2284 2284-2285 2285-2286 2286-2287 2287-2288 2288-2289 2289-2290 2290-2291 2291-2292 2292-2293 2293-2294 2294-2295 2295-2296 2296-2297 2297-2298 2298-2299 2299-2300 2300-2301 2301-2302 2302-2303 2303-2304 2304-2305 2305-2306 2306-2307 2307-2308 2308-2309 2309-2310 2310-2311 2311-2312 2312-2313 2313-2314 2314-2315 2315-2316 2316-2317 2317-2318 2318-2319 2319-2320 2320-2321 2321-2322 2322-2323 2323-2324 2324-2325 2325-2326 2326-2327 2327-2328 2328-2329 2329-2330 2330-2331 2331-2332 2332-2333 2333-2334 2334-2335 2335-2336 2336-2337 2337-2338 2338-2339 2339-2340 2340-2341 2341-2342 2342-2343 2343-2344 2344-2345 2345-2346 2346-2347 2347-2348 2348-2349 2349-2350 2350-2351 2351-2352 2352-2353 2353-2354 2354-2355 2355-2356 2356-2357 2357-2358 2358-2359 2359-2360 2360-2361 2361-2362 2362-2363 2363-2364 2364-2365 2365-2366 2366-2367 2367-2368 2368-2369 2369-2370 2370-2371 2371-2372 2372-2373 2373-2374 2374-2375 2375-2376 2376-2377 2377-2378 2378-2379 2379-2380 2380-2381 2381-2382 2382-2383 2383-2384 2384-2385 2385-2386 2386-2387 2387-2388 2388-2389 2389-2390 2390-2391 2391-2392 2392-2393 2393-2394 2394-2395 2395-2396 2396-2397 2397-2398 2398-2399 2399

1. *Chlorophyll a* (Chl *a*)

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SECRET - UNCLASSIFIED

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

1. The first step is to identify the problem. In this case, the problem is that the company is not meeting its sales targets. The second step is to analyze the data. The third step is to develop a plan. The fourth step is to implement the plan. The fifth step is to evaluate the results.

1. The first step in the process of identifying a problem is to define the problem clearly. This involves identifying the symptoms of the problem and determining the scope of the problem. Once the problem has been defined, the next step is to identify the causes of the problem. This involves identifying the factors that are contributing to the problem and determining the underlying causes of the problem. Once the causes of the problem have been identified, the next step is to develop a plan to address the problem. This involves identifying the actions that need to be taken to address the problem and determining the resources that will be needed to implement the plan. Once a plan has been developed, the next step is to implement the plan. This involves taking the actions that have been identified in the plan and putting them into practice. Finally, the last step in the process is to evaluate the results of the plan. This involves determining whether the plan has been successful in addressing the problem and identifying any areas for improvement.

[illegible]

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1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

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1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

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[illegible][illegible]

DATE: 10/1/80
TIME: 10:00 AM

MEMORANDUM FOR RECORD

15 October 2001

SUBJECT: Verification of Prices, Contract No. DABT31-02-D-0003

1. In verifying the subject contract Task List, Contract Line Item Number (CLIN) Amounts, discrepancies were noted in the Base Period Task List's CLIN's 4, 49, and 114 and the Option Period Task List's CLIN's 204, 249, and 314 extended line item total amount. Noted discrepancies resulted from taking the CLIN's Estimated Quantity multiplied times the Unit Price bid, resulting in incorrect line item total amounts.
2. The following changes were made to CLIN's 4, 49, 114, 204, 249, and 314 line item total amounts and the resulting Estimated Total for the Base Period, and the Estimated Total for the Option Period:
 - a. CLIN 4: The Total Estimated Amount is changed to read \$250.00.
 - b. CLIN 49: The Total Estimated Amount is changed to read \$1,750.00.
 - c. CLIN 114: The Total Estimated Amount is changed to read \$6,600.00.
 - d. ESTIMATED TOTAL FOR THE BASE PERIOD is changed to read \$2,298,072.50.
 - e. CLIN 204: The Total Estimated Amount is changed to read \$250.00.
 - f. CLIN 249: The Total Estimated Amount is changed to read \$1,750.00.
 - g. CLIN 314: The Total Estimated Amount is changed to read \$6,600.00.
 - h. ESTIMATED TOTAL FOR THE OPTION PERIOD is changed to read \$2,294,822.50.


Frederick W. Bloch
Contract Specialist

Base Period Task List						
All-American Painting, Co.						
Task Number	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
1	Refinish hardwood floors	327000	SF	1.20	\$	392,400.00
2	Replace damaged or deteriorated hardwood flooring	5900	SF	5.00	\$	29,500.00
3	Replace deteriorated subfloor	785	SF	2.00	\$	1,570.00
4	Replace damaged or deteriorated structural lumber	125	BF	2.00	\$	250.00
5	Shim stair riser or tread	3	EA	25.00	\$	75.00
6	Replace stair riser or tread	65	EA	30.00	\$	1,950.00
7	Replace handrail	55	LF	5.00	\$	275.00
8	Replace Handrail Hangers	30	EA	5.00	\$	150.00
9	Replace miscellaneous wood trim	2500	LF	1.50	\$	3,750.00
10	Replace interior flush doors (Type FI)	640	EA	80.00	\$	51,200.00
11	Replace sliding & bifold closet doors (Type FI)	100	EA	100.00	\$	10,000.00
12	Replace interior flush door with louvers (Type FIL)	60	EA	150.00	\$	9,000.00
13	Replace interior raised panel door (Type PI)	2	EA	150.00	\$	300.00
14	Replace interior full louvered door (Type PL)	1	EA	250.00	\$	250.00
15	Replace louvered bar doors (Type PB)	4	EA	100.00	\$	400.00
16	Replace interior door frame and trim	10	EA	85.00	\$	850.00
17	Replace existing wood door and frame with a Type FX door with frame	50	EA	175.00	\$	8,750.00
18	Replace existing wood door and frame with a Type FXL door with frame	45	EA	185.00	\$	8,325.00
19	Replace existing wood door and frame with a Type FX1/2G door with frame	175	EA	240.00	\$	42,000.00
20	Replace existing wood door and frame with a	3	EA	275.00	\$	825.00

Base Period Task List						
	All-American Painting, Co.					
Task Number	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
	Type SPX door with frame					
21	Replace existing wood door and frame with a Type CX9G door with frame	2	EA	290.00	\$	580.00
22	Replace existing wood door and frame with a Type SPX3G door with frame	90	EA	400.00	\$	36,000.00
23	Replace existing double wood door and frame with a double Type FX door with frame	12	EA	400.00	\$	4,800.00
24	Replace existing wood door and frame with a Type SPX3G door with 12" sidelite and frame	40	EA	450.00	\$	18,000.00
25	Replace existing wood door and frame with a Type SPX3G door with 28" sidelite and frame	10	EA	500.00	\$	5,000.00
26	Replace existing wood door and frame with a Type SPX3G door with two 12" sidelites and frame	2	EA	750.00	\$	1,500.00
27	Replace storm door with frame	140	EA	100.00	\$	14,000.00
28	Refit existing wood doors	100	EA	25.00	\$	2,500.00
29	Provide and install passage lock	85	EA	20.00	\$	1,700.00
30	Provide and install bathroom lock	25	EA	15.00	\$	375.00
31	Provide and install hasp	15	EA	15.00	\$	225.00
32	Provide and install strap hinges	1	PR	15.00	\$	15.00
33	Provide and install butt hinges	1	PR	15.00	\$	15.00
34	Refinish bookcases	65	SQ	75.00	\$	4,875.00
35	Refinish kitchen cabinets	550	LF	15.00	\$	8,250.00
36	Refinish bathroom vanities	1775	LF	10.00	\$	17,750.00
37	Furnish and install cabinet doors	25	EA	40.00	\$	1,000.00

Base Period Task List						
All-American Painting, Co.						
Task Number	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
38	Furnish and install cabinet drawers	80	EA	30.00	\$	2,400.00
39	Replace medicine cabinets - MacKenzie Street	2	EA	150.00	\$	300.00
40	Replace medicine cabinets - other than MacKenzie Street	35	EA	60.00	\$	2,100.00
41	Replace laminated kitchen and bathroom vanity countertops	1250	LF	15.00	\$	18,750.00
42	Replace bathroom vanity - cabinet and countertop (countertop to be solid surface material with integral bowl)	30	EA	175.00	\$	5,250.00
43	Replace kitchen sink garbage disposal	15	EA	150.00	\$	2,250.00
44	Replace kitchen faucets	85	EA	150.00	\$	12,750.00
45	Replace lavatory faucets	40	EA	90.00	\$	3,600.00
46	Replace bathtub faucets	50	EA	150.00	\$	7,500.00
47	Replace kitchen sink	5	EA	300.00	\$	1,500.00
48	Replace bathroom lavatory	25	EA	150.00	\$	3,750.00
49	Remove and reinstall commode, replace wax ring, supply line, shut off valve and escutcheon for commode	35	EA	50.00	\$	1,750.00
50	Replace existing commode, replace wax ring, supply line, shut off valve, and escutcheon for commode	6	EA	100.00	\$	600.00
51	Provide and install Type A fixture	1	EA	200.00	\$	200.00
52	Provide and install Type B fixture	1	EA	100.00	\$	100.00
53	Provide and install Type C fixture	15	EA	50.00	\$	750.00
54	Provide and install Type CR fixture	2	EA	50.00	\$	100.00

Base Period Task List						
All-American Painting, Co.						
Task Number	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
55	Provide and install Type D fixture	10	EA	40.00	\$	400.00
56	Provide and install Type EC fixture	50	EA	40.00	\$	2,000.00
57	Provide and install Type EW fixture	35	EA	25.00	\$	875.00
58	Provide and install Type F fixture	50	EA	40.00	\$	2,000.00
59	Provide and install Type FU fixture	1	EA	40.00	\$	40.00
60	Provide and install Type G fixture	1	EA	40.00	\$	40.00
61	Provide and install Type H fixture	2	EA	100.00	\$	200.00
62	Provide and install Type I fixture	5	EA	60.00	\$	300.00
63	Provide and install Type J fixture	45	EA	50.00	\$	2,250.00
64	Provide and install Type K fixture	18	EA	10.00	\$	180.00
65	Remove existing recessed fixture and prepare for installation of new surface mounted light fixture	3	EA	30.00	\$	90.00
66	Replace Receptacle and cover plate with new 20A, 2-pole, 3-wire duplex receptacle, as required, with cover plate	100	EA	2.50	\$	250.00
67	Replace Receptacle and cover plate with 15A, 2-pole, 3-wire duplex receptacle, as required, with cover plate	125	EA	2.50	\$	312.50
68	Replace Receptacle and cover plate with new 20A GFCI duplex receptacle with cover plate	175	EA	15.00	\$	2,625.00
69	Replace toggle switch and cover plate with new 20A toggle switch (2 or 3 way, as required) with cover plate	120	EA	5.00	\$	600.00
70	Replace vinyl wall covering	8000	SF	1.50	\$	12,000.00
71	Remove existing wall covering and prepare surface for paint	120	SF	1.25	\$	150.00

Base Period Task List						
All-American Painting, Co.						
Task Number	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
72	Repair seams in vinyl wall covering	100	LF	1.00	\$	100.00
73	Replace deteriorated ceiling tile	1000	SF	0.75	\$	750.00
74	Remove exhaust fan and repair opening	1	EA	100.00	\$	100.00
75	Replace Ceramic floor tile	65	SF	5.00	\$	325.00
76	Replace Ceramic wall tile	150	SF	5.00	\$	750.00
77	Remove non-asbestos flooring and install 1/4" plywood underlayment	11000	SF	2.00	\$	22,000.00
78	Install sheet vinyl floor covering	15500	SF	2.00	\$	31,000.00
79	Remove existing wall covering and install gypsum wallboard - Areas greater than 10 SF/repair	4500	SF	1.25	\$	5,625.00
80	Remove existing wall covering and install gypsum wallboard - Areas less than or equal to 10 SF/repair	1750	SF	1.50	\$	2,625.00
81	Replace fiberglass tub wall kits	50	EA	325.00	\$	16,250.00
82	Replace bathtub	50	EA	400.00	\$	20,000.00
83	Replace shower in first floor bath (Style W quarters)	1	EA	1000.00	\$	1,000.00
84	Painting quarters - 1 MacKenzie, Type "G"	1	QTR	1380.00	\$	1,380.00
85	Painting quarters - 2 MacKenzie, Type "Y"	2	QTR	1250.00	\$	2,500.00
86	Painting typical quarter - 4 Kirby, Type "S"	5	QTR	895.00	\$	4,475.00
87	Painting typical quarter - 18 Kirby, Type "T"	4	QTR	925.00	\$	3,700.00
88	Painting typical quarter - 12 Kirby, Type "TX"	2	QTR	950.00	\$	1,900.00
89	Painting typical quarter - 4 MacKenzie, Type "A"	1	QTR	1000.00	\$	1,000.00
90	Painting typical quarter - 7 MacKenzie, Type "B"	3	QTR	950.00	\$	2,850.00

Base Period Task List						
All-American Painting, Co.						
Task Number	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
91	Painting typical quarter - 15 MacKenzie, Type "C"	1	QTR	800.00	\$	800.00
92	Painting typical quarter - 29 MacKenzie, Type "C-1"	1	QTR	800.00	\$	800.00
93	Painting typical quarter - 26 MacKenzie, Type "CX"	7	QTR	975.00	\$	6,825.00
94	Painting typical quarter - 17 MacKenzie, Type "CHC"	1	QTR	850.00	\$	850.00
95	Painting typical quarter - 9 Totten, Type "O"	65	QTR	815.00	\$	52,975.00
96	Painting typical quarter - 10 Humphrey, Type "P"	55	QTR	825.00	\$	45,375.00
97	Painting typical quarter - 37 Williams, Type "PX"	3	QTR	900.00	\$	2,700.00
98	Painting typical quarter - 3 Goethals, Type "D"	50	QTR	650.00	\$	32,500.00
99	Painting typical quarter - 1 Goethals, Type "E"	65	QTR	700.00	\$	45,500.00
100	Painting typical quarter - 2 Gridley, Type "FHC"	1	QTR	900.00	\$	900.00
101	Painting typical quarter - 67 Delafield, Type "FR"	5	QTR	850.00	\$	4,250.00
102	Painting typical quarter - 6 Gridley, Type "FXR"	5	QTR	900.00	\$	4,500.00
103	Painting typical quarter - 70 Delafield, Type "FXHC"	2	QTR	850.00	\$	1,700.00
104	Painting typical quarter - 9 Turner, Type "I"	150	QTR	780.00	\$	117,000.00
105	Painting typical quarter - 1 Barger, Type "J"	70	QTR	600.00	\$	42,000.00
106	Painting typical quarter - 24 Ellis, Type "JHC"	25	QTR	700.00	\$	17,500.00
107	Painting typical quarter - 5 Barger, Type "K"	40	QTR	600.00	\$	24,000.00
108	Painting typical quarter - 59 Barkley, Type "KR"	55	QTR	700.00	\$	38,500.00
109	Painting typical quarter - 68 Funk, Type "L"	1	QTR	625.00	\$	625.00
110	Painting typical quarter - 66 Funk, Type "LR"	4	QTR	850.00	\$	3,400.00
111	Painting typical quarter - 2 Daniels, Type "Q"	6	QTR	750.00	\$	4,500.00

Base Period Task List						
All-American Painting, Co.						
Task	Task	Estimated		Unit		Estimated
Number	Description	Quantity	Units	Price		Amount
112	Painting typical quarter - 2 Montrose, Type "R"	100	QTR	800.00	\$	80,000.00
113	Painting typical quarter - 70 Montrose, Type "RX"	45	QTR	900.00	\$	40,500.00
114	Painting typical quarter - 10 Cable, Type "U"	8	QTR	825.00	\$	6,600.00
115	Painting typical quarter - 33 Cable, Type "V"	25	QTR	725.00	\$	18,125.00
116	Painting typical quarter - 34 Cable, Type "VX"	35	QTR	800.00	\$	28,000.00
117	Painting typical quarter - 39 Cable, Type "W"	50	QTR	900.00	\$	45,000.00
118	Painting typical quarter - 2 Essayons, Type "DCG"	1	QTR	1300.00	\$	1,300.00
119	Painting typical quarter - 2 Ellis, Type "JR"	60	QTR	800.00	\$	48,000.00
120	Painting typical quarter - 21 Hatler, Type "KHC"	8	EA	550.00	\$	4,400.00
121	Painting quarter - 1 Essayons, Type "CG"	1	EA	1400.00	\$	1,400.00
122	Partial painting in quarters	1200	SQ	14.00	\$	16,800.00
123	Paint wall base, door casing/trim and window casing/trim	200	LF	0.50	\$	100.00
124	Paint/varnish kitchen cabinets in conjunction with with full paint	3000	SQ	25.00	\$	75,000.00
125	Paint exterior doors	2500	EA	18.00	\$	45,000.00
126	Perform preventive maintenance in unoccupied family housing quarters	1100	QTR	150.00	\$	165,000.00
127	Remove, containerize and dispose of vinyl-asbestos floor tile (1 to 3 layers) and install 1/4" plywood underlayment	1500	SF	3.00	\$	4,500.00
128	Remove and dispose of lead-based painted window casing and sill (approximately 4" wide)	100	LF	2.00	\$	200.00
129	Remove and dispose of lead-based painted window trim (approximately 2-1/2" wide)	100	LF	2.00	\$	200.00

Base Period Task List						
All-American Painting, Co.						
Task Number	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
130	Remove and dispose of lead-based painted wall base (approximately 4-1/2" wide)	150	LF	2.00	\$	300.00
131	Remove and dispose of lead-based painted shoe mold (approximately 3/4" x 3/4" wide)	25	LF	4.00	\$	100.00
132	Remove and dispose of lead-based painted exterior door, jamb, trim and threshold	300	EA	60.00	\$	18,000.00
133	Replacement of window glass	600	SF	5.00	\$	3,000.00
134	Add for working in occupied quarters	30	QT	100.00	\$	3,000.00
135	Housing Units issued, but Contractor unable to access for various reasons	35	EA	40.00	\$	1,400.00
136	Replace bathroom vanity cabinet (reuse existing countertop)	5	EA	200.00	\$	1,000.00
137	Provide textured (knockdown) finish	6000	SQ	4.00	\$	24,000.00
138	Provide window screens where missing or beyond repair	21000	LF	0.50	\$	10,500.00
139	Modify kitchen cabinets and provide/install dishwash in Style D quarters	50	EA	350.00	\$	17,500.00
140	Modify kitchen cabinets and provide/install dishwash in Style E quarters	50	EA	350.00	\$	17,500.00
141	Provide and install AC powered combination Heat/Smoke/Carbon Monoxide detector	4000	EA	60.00	\$	240,000.00
142	Remove and dispose of asbestos containing sheet-vinyl flooring and install 1/4" plywood underlayment	12000	SF	2.50	\$	30,000.00
143	Replace existing brickmold with solid vinyl brickmold	1000	LF	3.00	\$	3,000.00
144	Painting typical quarter - 4 Essayons, Type "DCG4"	1	QTR	1750.00	\$	1,750.00
145	Remodel bathroom #2 in Type "W" quarters	5	QTR	3000.00	\$	15,000.00

Base Period Task List						
	All-American Painting, Co.					
Task	Task	Estimated		Unit		Estimated
umbe	Description	Quantity	Units	Price		Amount
	Total Base Period Estimated Amount (to be entered in Section 00010, Item 000 \$					2,298,072.50

First Option Period Task List						
All-American Painting, Inc.						
Task No.	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
201	Refinish hardwood floors	327000	SF	1.20	\$	392,400.00
202	Replace damaged or deteriorated hardwood flooring	5900	SF	5.00	\$	29,500.00
203	Replace deteriorated subfloor	785	SF	2.00	\$	1,570.00
204	Replace damaged or deteriorated structural lumber	125	BF	2.00	\$	250.00
205	Shim stair riser or tread	3	EA	25.00	\$	75.00
206	Replace stair riser or tread	65	EA	30.00	\$	1,950.00
207	Replace handrail	55	LF	5.00	\$	275.00
208	Replace Handrail Hangers	30	EA	5.00	\$	150.00
209	Replace miscellaneous wood trim	2500	LF	1.50	\$	3,750.00
210	Replace interior flush doors (Type FI)	640	EA	80.00	\$	51,200.00
211	Replace sliding & bifold closet doors (Type FI)	100	EA	100.00	\$	10,000.00
212	Replace interior flush door with louvers (Type FIL)	60	EA	150.00	\$	9,000.00
213	Replace interior raised panel door (Type PI)	2	EA	150.00	\$	300.00
214	Replace interior full louvered door (Type PL)	1	EA	250.00	\$	250.00
215	Replace louvered bar doors (Type PB)	4	EA	100.00	\$	400.00
216	Replace interior door frame and trim	10	EA	85.00	\$	850.00
217	Replace existing wood door and frame with a Type FX door with frame	50	EA	175.00	\$	8,750.00
218	Replace existing wood door and frame with a Type FXL door with frame	45	EA	185.00	\$	8,325.00
219	Replace existing wood door and frame with a Type FX1/2G door with frame	175	EA	240.00	\$	42,000.00

First Option Period Task List

All-American Painting, Inc.

Task No.	Task Description	Estimated Quantity	Units	Unit Price	Estimated Amount
220	Replace existing wood door and frame with a Type SPX door with frame	3	EA	275.00	\$ 825.00
221	Replace existing wood door and frame with a Type CX9G door with frame	2	EA	290.00	\$ 580.00
222	Replace existing wood door and frame with a Type SPX3G door with frame	90	EA	400.00	\$ 36,000.00
223	Replace existing double wood door and frame with a double Type FX door with frame	12	EA	400.00	\$ 4,800.00
224	Replace existing wood door and frame with a Type SPX3G door with 12" sidelite and frame	40	EA	450.00	\$ 18,000.00
225	Replace existing wood door and frame with a Type SPX3G door with 28" sidelite and frame	10	EA	500.00	\$ 5,000.00
226	Replace existing wood door and frame with a Type SPX3G door with two 12" sidelites and frame	2	EA	750.00	\$ 1,500.00
227	Replace storm door with frame	140	EA	100.00	\$ 14,000.00
228	Refit existing wood doors	100	EA	25.00	\$ 2,500.00
229	Provide and install passage lock	85	EA	20.00	\$ 1,700.00
230	Provide and install bathroom lock	25	EA	15.00	\$ 375.00
231	Provide and install hasp	15	EA	15.00	\$ 225.00
232	Provide and install strap hinges	1	PR	15.00	\$ 15.00
233	Provide and install butt hinges	1	PR	15.00	\$ 15.00
234	Refinish bookcases	65	SQ	75.00	\$ 4,875.00
235	Refinish kitchen cabinets	550	LF	15.00	\$ 8,250.00
236	Refinish bathroom vanities	1775	LF	10.00	\$ 17,750.00

First Option Period Task List						
All-American Painting, Inc.						
Task No.	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
237	Furnish and install cabinet doors	25	EA	40.00	\$	1,000.00
238	Furnish and install cabinet drawers	80	EA	30.00	\$	2,400.00
239	Replace medicine cabinets - MacKenzie Street	2	EA	150.00	\$	300.00
240	Replace medicine cabinets - other than MacKenzie Street	35	EA	60.00	\$	2,100.00
241	Replace laminated kitchen and bathroom vanity countertops	1250	LF	15.00	\$	18,750.00
242	Replace bathroom vanity - cabinet and countertop (countertop to be solid surface material with integral bowl)	30	EA	175.00	\$	5,250.00
243	Replace kitchen sink garbage disposal	15	EA	150.00	\$	2,250.00
244	Replace kitchen faucets	85	EA	150.00	\$	12,750.00
245	Replace lavatory faucets	40	EA	90.00	\$	3,600.00
246	Replace bathtub faucets	50	EA	150.00	\$	7,500.00
247	Replace kitchen sink	5	EA	300.00	\$	1,500.00
248	Replace bathroom lavatory	25	EA	150.00	\$	3,750.00
249	Remove and reinstall commode, replace wax ring, supply line, shut off valve and escutcheon for commode	35	EA	50.00	\$	1,750.00
250	Replace existing commode, replace wax ring, supply line, shut off valve, and escutcheon for commode	6	EA	100.00	\$	600.00
251	Provide and install Type A fixture	1	EA	200.00	\$	200.00
252	Provide and install Type B fixture	1	EA	100.00	\$	100.00
253	Provide and install Type C fixture	15	EA	50.00	\$	750.00

First Option Period Task List

All-American Painting, Inc.						
Task No.	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
254	Provide and install Type CR fixture	2	EA	50.00	\$	100.00
255	Provide and install Type D fixture	10	EA	40.00	\$	400.00
156	Provide and install Type EC fixture	50	EA	40.00	\$	2,000.00
257	Provide and install Type EW fixture	35	EA	25.00	\$	875.00
258	Provide and install Type F fixture	50	EA	40.00	\$	2,000.00
259	Provide and install Type FU fixture	1	EA	40.00	\$	40.00
260	Provide and install Type G fixture	1	EA	40.00	\$	40.00
261	Provide and install Type H fixture	2	EA	100.00	\$	200.00
262	Provide and install Type I fixture	5	EA	60.00	\$	300.00
263	Provide and install Type J fixture	45	EA	50.00	\$	2,250.00
264	Provide and install Type K fixture	18	EA	10.00	\$	180.00
265	Remove existing recessed fixture and prepare for installation of new surface mounted light fixture	3	EA	30.00	\$	90.00
266	Replace Receptacle and cover plate with new 20A, 2-pole, 3-wire duplex receptacle, as required, with cover plate	100	EA	2.50	\$	250.00
267	Replace Receptacle and cover plate with 15A, 2-pole, 3-wire duplex receptacle, as required, with cover plate	125	EA	2.50	\$	312.50
268	Replace Receptacle and cover plate with new 20A GFCI duplex receptacle with cover plate	175	EA	15.00	\$	2,625.00
269	Replace toggle switch and cover plate with new 20A toggle switch (2 or 3 way, as required) with cover plate	120	EA	5.00	\$	600.00

First Option Period Task List						
All-American Painting, Inc.						
Task No.	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
270	Replace vinyl wall covering	8000	SF	1.50	\$	12,000.00
271	Remove existing wall covering and prepare surface for paint	120	SF	1.25	\$	150.00
272	Repair seams in vinyl wall covering	100	LF	1.00	\$	100.00
273	Replace deteriorated ceiling tile	1000	SF	0.75	\$	750.00
274	Remove exhaust fan and repair opening	1	EA	100.00	\$	100.00
275	Replace Ceramic floor tile	65	SF	5.00	\$	325.00
276	Replace Ceramic wall tile	150	SF	5.00	\$	750.00
277	Remove non-asbestos flooring and install 1/4" plywood underlayment	11000	SF	2.00	\$	22,000.00
278	Install sheet vinyl floor covering	15500	SF	2.00	\$	31,000.00
279	Remove existing wall covering and install gypsum wallboard - Areas greater than 10 SF/repair	4500	SF	1.25	\$	5,625.00
280	Remove existing wall covering and install gypsum wallboard - Areas less than or equal to 10 SF/repair	1750	SF	1.50	\$	2,625.00
281	Replace fiberglass tub wall kits	50	EA	325.00	\$	16,250.00
282	Replace bathtub	50	EA	400.00	\$	20,000.00
283	Replace shower in first floor bath (Style W quarters)	1	EA	1,000.00	\$	1,000.00
284	Painting quarters - 1 MacKenzie, Type "G"	1	QTR	1,380.00	\$	1,380.00
285	Painting quarters - 2 MacKenzie, Type "Y"	2	QTR	1,250.00	\$	2,500.00
286	Painting typical quarter - 4 Kirby, Type "S"	5	QTR	895.00	\$	4,475.00
287	Painting typical quarter - 18 Kirby, Type "T"	4	QTR	925.00	\$	3,700.00
288	Painting typical quarter - 12 Kirby, Type "TX"	2	QTR	950.00	\$	1,900.00

First Option Period Task List

All-American Painting, Inc.						
Task No.	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
289	Painting typical quarter - 4 MacKenzie, Type "A"	1	QTR	1,000.00	\$	1,000.00
290	Painting typical quarter - 7 MacKenzie, Type "B"	3	QTR	950.00	\$	2,850.00
291	Painting typical quarter - 15 MacKenzie, Type "C"	1	QTR	800.00	\$	800.00
292	Painting typical quarter - 29 MacKenzie, Type "C-1"	1	QTR	800.00	\$	800.00
293	Painting typical quarter - 26 MacKenzie, Type "CX"	7	QTR	975.00	\$	6,825.00
294	Painting typical quarter - 17 MacKenzie, Type "CHC"	1	QTR	850.00	\$	850.00
295	Painting typical quarter - 9 Totten, Type "O"	65	QTR	815.00	\$	52,975.00
295	Painting typical quarter - 10 Humphrey, Type "P"	55	QTR	825.00	\$	45,375.00
297	Painting typical quarter - 37 Williams, Type "PX"	3	QTR	900.00	\$	2,700.00
298	Painting typical quarter - 3 Goethals, Type "D"	50	QTR	650.00	\$	32,500.00
299	Painting typical quarter - 1 Goethals, Type "E"	65	QTR	700.00	\$	45,500.00
300	Painting typical quarter - 2 Gridley, Type "FHC"	1	QTR	900.00	\$	900.00
301	Painting typical quarter - 67 Delafield, Type "FR"	5	QTR	850.00	\$	4,250.00
302	Painting typical quarter - 6 Gridley, Type "FXR"	5	QTR	900.00	\$	4,500.00
303	Painting typical quarter - 70 Delafield, Type "FXHC"	2	QTR	850.00	\$	1,700.00
304	Painting typical quarter - 9 Turner, Type "I"	150	QTR	780.00	\$	117,000.00
305	Painting typical quarter - 1 Barger, Type "J"	70	QTR	600.00	\$	42,000.00
306	Painting typical quarter - 24 Ellis, Type "JHC"	25	QTR	700.00	\$	17,500.00
307	Painting typical quarter - 5 Barger, Type "K"	40	QTR	600.00	\$	24,000.00
308	Painting typical quarter - 59 Barkley, Type "KR"	55	QTR	700.00	\$	38,500.00

First Option Period Task List						
All-American Painting, Inc.						
Task No.	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
309	Painting typical quarter - 68 Funk, Type "L"	1	QTR	625.00	\$	625.00
310	Painting typical quarter - 66 Funk, Type "LR"	4	QTR	850.00	\$	3,400.00
311	Painting typical quarter - 2 Daniels, Type "Q"	6	QTR	750.00	\$	4,500.00
312	Painting typical quarter - 2 Montrose, Type "R"	100	QTR	800.00	\$	80,000.00
313	Painting typical quarter - 70 Montrose, Type "RX"	45	QTR	900.00	\$	40,500.00
314	Painting typical quarter - 10 Cable, Type "U"	8	QTR	825.00	\$	6,600.00
315	Painting typical quarter - 33 Cable, Type "V"	25	QTR	725.00	\$	18,125.00
316	Painting typical quarter - 34 Cable, Type "VX"	35	QTR	800.00	\$	28,000.00
317	Painting typical quarter - 39 Cable, Type "W"	50	QTR	900.00	\$	45,000.00
318	Painting typical quarter - 2 Essayons, Type "DCG"	1	QTR	1,300.00	\$	1,300.00
319	Painting typical quarter - 2 Ellis, Type "JR"	60	QTR	800.00	\$	48,000.00
320	Painting typical quarter - 21 Hatler, Type "KHC"	8	EA	550.00	\$	4,400.00
321	Painting quarter - 1 Essayons, Type "CG"	1	EA	1,400.00	\$	1,400.00
322	Partial painting in quarters	1200	SQ	14.00	\$	16,800.00
323	Paint wall base, door casing/trim and window casing/trim	200	LF	0.50	\$	100.00
324	Paint/varnish kitchen cabinets in conjunction with with full paint	3000	SQ	25.00	\$	75,000.00
325	Paint exterior doors	2500	EA	18.00	\$	45,000.00
326	Perform preventive maintenance in unoccupied family housing quarters	1100	QTR	150.00	\$	165,000.00
327	Remove, containerize and dispose of vinyl-asbestos floor tile (1 to 3 layers) and install 1/4" plywood	1500	SF	3.00	\$	4,500.00

First Option Period Task List

First Option Period Task List						
All-American Painting, Inc.						
Task No.	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
	underlayment					
328	Remove and dispose of lead-based painted window casing and sill (approximately 4" wide)	100	LF	2.00	\$	200.00
329	Remove and dispose of lead-based painted window trim (approximately 2-1/2" wide)	100	LF	2.00	\$	200.00
330	Remove and dispose of lead-based painted wall base (approximately 4-1/2" wide)	150	LF	2.00	\$	300.00
331	Remove and dispose of lead-based painted shoe mold (approximately 3/4" x 3/4" wide)	25	LF	4.00	\$	100.00
332	Remove and dispose of lead-based painted exterior door, jamb, trim and threshold	300	EA	60.00	\$	18,000.00
333	Replacement of window glass	600	SF	5.00	\$	3,000.00
334	Add for working in occupied quarters	30	QT	100.00	\$	3,000.00
335	Housing Units issued, but Contractor unable to access for various reasons	35	EA	40.00	\$	1,400.00
336	Replace bathroom vanity cabinet (reuse existing countertop)	5	EA	200.00	\$	1,000.00
337	Provide textured (knockdown) finish	6000	SQ	4.00	\$	24,000.00
338	Provide window screens where missing or beyond repair	21000	LF	0.50	\$	10,500.00
339	Modify kitchen cabinets and provide/install dishwasher in Style D quarters	50	EA	350.00	\$	17,500.00
340	Modify kitchen cabinets and provide/install dishwasher in Style E quarters	50	EA	350.00	\$	17,500.00
341	Provide and install AC powered combination Heat/Smoke/Carbon Monoxide detector	4000	EA	60.00	\$	240,000.00

First Option Period Task List						
All-American Painting, Inc.						
Task No.	Task Description	Estimated Quantity	Units	Unit Price		Estimated Amount
342	Remove and dispose of asbestos containing sheet-vinyl flooring and install 1/4" plywood underlayment	12000	SF	2.50	\$	30,000.00
343	Replace existing brickmold with solid vinyl brickmold	1000	LF	3.00	\$	3,000.00
344	Painting typical quarter - 4 Essayons, Type "DCG4"	1	QTR	1,000.00	\$	1,000.00
345	Remodel bathroom #2 in Type "W" quarters	5	QTR	2,500.00	\$	12,500.00
Total First Option Period Estimated Amount (to be entered in Section 00010, lte					\$	2,294,822.50

SECTION 00100 Bidding Schedule/Instructions to Bidders

CLAUSES INCORPORATED BY REFERENCE:

52.232-36 Payment by Third Party
52.236-7 Permits and Responsibilities

MAY 1999
NOV 1991

CLAUSES INCORPORATED BY FULL TEXT

DELIVERY ORDER COMPLETION TIMES

See Specifications, Section 01010, Paragraph 3. SEQUENCE OF WORK., Subparagraph 3.3 Schedule.

52.214-4005 FACSIMILE SUBMISSION OF BIDS

Original bids will not be accepted by facsimile, however, facsimile modifications or withdrawals will be permitted.

52.214-4203 INVITATION FOR BID OPENING/RECEIPT OF REQUEST FOR PROPOSALS

IFB/RFP opening for solicitation DABT31-01-B-0009 for Family Housing Repairs, Painting, and Floor Refinishing will be held at the Directorate of Contracting, Building 606, Fort Leonard Wood, Missouri at 1300 Hours (1:00 P.M.) on 05 September 2001. If the solicitation is a Request for Proposal, there will not be a public bid opening.

52.233-4001 TRADOC FINAL PROTEST RULES

1. Definitions:

a. The terms Day, Interested Party and Protest as used herein carry the same meanings as set out in FAR 33.101.

b. Filed as used herein means complete receipt of the document at issue by the recipient before 4:00 p.m., local time. Documents received after 4:00 p.m. are considered filed as of the next day.

2. Agency Protest Forums. Interested parties are encouraged to consult with the contracting officer before initiating protests. If the parties cannot resolve their dispute through negotiation, the interested party may file an agency protest. There are two agency protest forums available to interested parties—(1) a Contracting Officer protest and (2) a HQ, TRADOC protest. An interested party may file with one forum or the other—but not both. A HQ, TRADOC protest serves as an alternative to consideration by the contracting officer within the meaning of FAR 33.103(d)(4). The rules stated herein govern HQ, TRADOC protests only. Interested parties desiring to file a Contracting Officer protest should consult the contracting officer who issued the solicitation.

3. Who May File. Only interested parties are eligible to file HQ, TRADOC protests.

4. Where To File. A HQ, TRADOC protest shall be filed with the contracting office that issued the

solicitation who, in turn, shall forward the protest to HQ, TRADOC, ATTN: The TRADOC Principal Assistant Responsible for Contracting (PARC) (see Rule 12).

5. When To File.

a. Improprieties in the Solicitation.

(1) Invitation for Bids (IFB). A HQ, TRADOC protest alleging improprieties in an IFB solicitation must be filed prior to bid opening if the improprieties were apparent prior to that time.

(2) Request for Proposals (RFP). A HQ, TRADOC protest alleging improprieties in an RFP solicitation must be filed prior to the time set for receipt of initial proposals if the improprieties were apparent prior to that time. If an alleged impropriety did not exist in the initial solicitation but was later incorporated into the solicitation by an amendment, a protest based on that impropriety must be filed before the next closing time established for submitting proposals.

b. Other Improprieties. In all other cases, HQ, TRADOC protests must be filed not later than 10 days after the protester knew or should have known the basis of the protest (whichever is earlier), with the exception of protests challenging an RFP procurement under which a debriefing is requested and, when requested, is required (i.e., a statutorily required debriefing). In such case, with respect to any protest basis which was known or should have been known before the statutorily required debriefing, the protester must not file its initial protest before the debriefing date offered to the protester, but must file its protest not later than 10 days after the date on which the debriefing was held.

c. Exception to Timeliness Rules. HQ, TRADOC, for good cause shown, or where it determines that a protest raises issues significant to its acquisition process, may consider the merits of any protest which is not timely filed.

d. Subsequent General Accounting Office (GAO) Protest. Special timeliness rules govern GAO protests filed after receipt of an adverse decision on a HQ, TRADOC protest. A protest to GAO must be filed not later than 10 days after the protester learned of an initial adverse HQ, TRADOC decision.

6. Protest Issues Not For Consideration. The following protests may be summarily dismissed:

- a. Protests which are untimely (but see rule 5c).
- b. Protests based in contract administration (see 4 CFR * 21.5(a)).
- c. Protests based upon Small Business Administration issues (see 4 CFR * 21.5(b)).
- d. Protests based upon the contracting officer's affirmative determination of responsibility (see 4 CFR * 21.5(c)).
- e. Protests based upon violation of the Procurement Integrity Act where the protester failed to timely report the alleged violation as set forth at 4 CFR * 21.5(d).
- f. Protests which lack a detailed statement of the legal and factual grounds of protest (see rule 7) or which fail to clearly state legally sufficient grounds of protest (see 4 CFR * 21.5(f)).
- g. Protests by subcontractors.

7. Protest Contents. A HQ, TRADOC protest shall:

- a. Be signed by the protester or an authorized representative.
- b. Contain a statement which specifically identifies the protest as a HQ, TRADOC protest. An

Agency protest which is not specifically designated a HQ, TRADOC protest shall be deemed a Contracting Officer protest (see Rule 2).

b. Include the following information:

- (1) Name, address, and fax and telephone numbers of the protester.
- (2) Solicitation or contract number.
- (3) Detailed statement of the legal and factual grounds for the protest, to include a description of resulting prejudice to the protester.
- (4) Copies of relevant documents.
- (5) Request for a decision by HQ, TRADOC.
- (6) Statement as to the form of relief requested.
- (7) Information establishing that the protester is an interested party for the purpose of filing a protest.
- (8) Information establishing the timeliness of the protest.

8. Decision Authority. The TRADOC Principal Assistant Responsible for Contracting (PARC) will decide HQ, TRADOC protests. The PARC will be assisted by the TRADOC Office of the Staff Judge Advocate (OSJA).

9. Remedies.

a. The PARC may take any action that could have been recommended by the Comptroller General had the protest been filed with the GAO. Specifically, the PARC may direct that the Government implement any combination of the following remedies:

- (1) Refrain from exercising options under the contract.
- (2) Terminate the contract.
- (3) Recompete the contract.
- (4) Issue a new solicitation.
- (5) Award a contract consistent with statute and regulation.
- (6) Take such other action as the PARC deems necessary to promote compliance with statute and regulation.

b. The PARC may also direct that the local installation reimburse the protester (out of funds available for the procurement) for bid and proposal costs (incurred after issuance of the solicitation) as well as the cost, exclusive of profit, of filing and pursuing the protest, including reasonable attorney and consultant fees.

(1) Determination of Reimbursement Costs.

(i) Protester Submission of Certified Request For Reimbursement. If the PARC awards the protester reimbursement for costs, the protester will file with the contracting officer a certified request for reimbursement which details all claimed costs. The request must be filed within 15 days of receipt of the PARC's decision. Failure to timely file the request for reimbursement will release the Government from its obligation to reimburse the protester for its costs.

(ii) **Review By Contracting Officer.** The contracting officer shall have 30 days to review the request for reimbursement and reach agreement with the protester on the amount of cost to be paid.

(iii) **Disputes.** The PARC, upon request for the protester, will resolve disputes regarding reimbursement.

(iv) **Reimbursement Limitations.** Consultant fees shall not exceed the rate of pay for a GS 15, Step 10. Attorney fees shall not exceed \$150.00 per hour.

(2) **Subsequent Proposal, Billings & Claims.** Any cost reimbursement the protester receives under this section shall not be the subject of subsequent proposals, billings, or claims against the Government.

10. **Election of Forum.** While a HQ, TRADOC protest is pending, the protester agrees not to file the same protest with any other forum. If the protester nonetheless files the same protest with another forum, the HQ, TRADOC protest shall be dismissed.

11. **Effect of HQ, TRADOC Protest on Award and Performance.**

a. **Protest Before Award.** Upon receipt of a protest before award, contract award will be stayed, pending resolution of the protest, unless the TRADOC Special Competition Advocate (CA) decides, in writing, that override of the automatic stay is justified for urgent and compelling reasons or is in the best interest of the Government. If award is stayed pending resolution of the protest, the contracting officer will so inform those offerors who might become eligible for award. If appropriate, these offerors should be requested, before expiration of the time for acceptance of their offers, to extend the time for acceptance to avoid the need for resolicitation.

b. **Protest After Award.** Upon receipt of a protest within 10 days after contract award or within 5 days after a debriefing date offered to a protester under a timely debriefing request in accordance with FAR 15.5., whichever is later, the contracting officer shall immediately suspend performance, pending resolution of the protest, unless the CA decides, in writing, that override of the automatic suspension is justified for urgent and compelling reasons or is in the best interest of the Government.

c. **Override Factors.** The CA will consider the following factors in determining whether override is justified.

(1) The protest's likelihood of success on the merits.

(2) The degree of harm to the Government if override is denied.

(3) The degree of harm to the Government if override is approved and the protest is sustained.

d. **Override Procedures.** If the contracting officer decides that the circumstances of the procurement justify an override, he/she shall, within three days after the contracting office is notified of the protest, file a memorandum with the CA which addresses the factors set out in rule 11c.

e. **GAO Stay.** The statutory stay timeliness provisions set out at 31 USC 3553 are not tolled during the pendency of the HQ, TRADOC protest. In other words, pursuing a HQ, TRADOC protest does not extend the time for obtaining a stay at GAO.

12. **Processing Of Protest.** Within 14 days after the HQ, TRADOC protest is filed, the contracting officer, with the advice and assistance of local legal counsel, shall provide the PARC one copy of the protest administrative report (PAR). For good cause shown, the PARC may grant a time extension.

a. **PAR Contents.** The PAR shall contain, as appropriate:

(1) The protest.

- (2) The offer submitted by the protester.
 - (3) The offer being considered for award or being protested.
 - (4) All relevant evaluation documents.
 - (5) The solicitation, including the specifications or portions relevant to the protest.
 - (6) The abstract of offers or relevant portions thereof.
 - (7) Any other relevant documents.
 - (8) The contracting officer's signed statement of relevant facts and the local counsel's memorandum of law. The contracting officer's statement shall set forth findings, actions, and recommendations, and any additional evidence or information not provided in the protest file that may be necessary to determine the merits of the protest.
- b. Discovery. Neither party to the protest is entitled to discovery. The PARC at his discretion may, however, provide the PAR or portions thereof to the protester. In addition, the PARC may direct either party to provide additional documentation to the PARC and opposing party.
- c. Ex Parte Discussions. The PARC and the OSJA may engage in discussions with the parties individually.
- d. Supplementation of the Record. Either party may supplement the record until the 25th day after the protest was filed.
- e. Hearing. Neither party is entitled to a hearing. The case will be determined based upon the record and any discussions between the PARC and the parties.
- f. Decision. The PARC will render a decision within 35 days after the protest is filed. The decision shall be provided to the protester using a method that provides evidence of receipt.

52.236-4203 MAGNITUDE OF PROJECT

The magnitude of this project is between \$5,000,000 and \$10,000,000.

52.236-4206 POSTAWARD ORIENTATION

A Postaward Orientation will be scheduled by the Contracting Officer after contract award and prior to commencement of work. The Contracting Officer will notify the Contractor of the time and date set for the meeting that will be held at Fort Leonard Wood, MO. At this meeting, the Contractor will be oriented with respect to Government procedures and line of authority, as well as contractual, administrative, and construction matters. The Contractor is required to furnish a current Certificate of Insurance and a letter appointing a construction superintendent at the meeting. The Contractor is responsible for costs associated with any scheduled conference.

252.242-7000 POSTAWARD CONFERENCE (DEC 1991)

The Contractor agrees to attend any postaward conference convened by the contracting activity or contract administration office in accordance with Federal Acquisition Regulation subpart 42.5.

(End of clause)

SECTION 00700 Contract Clauses

CLAUSES INCORPORATED BY REFERENCE:

52.202-1 Alt I	Definitions (May 2001) --Alternate I	MAY 2001
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	APR 1984
52.203-7	Anti-Kickback Procedures	JUL 1995
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JAN 1997
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	JAN 1997
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	JUN 1997
52.204-4	Printed or Copied Double-Sided on Recycled Paper	AUG 2000
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	JUL 1995
52.211-13	Time Extensions	SEP 2000
52.214-26	Audit and Records--Sealed Bidding	OCT 1997
52.214-27	Price Reduction for Defective Cost or Pricing Data - Modifications - Sealed Bidding	OCT 1997
52.214-28	Subcontracting Cost Or Pricing Data--Modifications--Sealed Bidding	OCT 1997
52.214-29	Order Of Precedence--Sealed Bidding	JAN 1986
52.219-8	Utilization of Small Business Concerns	OCT 2000
52.219-9 Alt I	Small Business Subcontracting Plan (Oct 2000) Alternate I	OCT 2000
52.219-16	Liquidated Damages-Subcontracting Plan	JAN 1999
52.222-3	Convict Labor	AUG 1996
52.222-4	Contract Work Hours and Safety Standards Act - Overtime Compensation	SEP 2000
52.222-6	Davis Bacon Act	FEB 1995
52.222-7	Withholding of Funds	FEB 1988
52.222-8	Payrolls and Basic Records	FEB 1988
52.222-9	Apprentices and Trainees	FEB 1988
52.222-10	Compliance with Copeland Act Requirements	FEB 1988
52.222-11	Subcontracts (Labor Standards)	FEB 1988
52.222-12	Contract Termination-Debarment	FEB 1988
52.222-13	Compliance with Davis-Bacon and Related Act Regulations.	FEB 1988
52.222-14	Disputes Concerning Labor Standards	FEB 1988
52.222-15	Certification of Eligibility	FEB 1988
52.222-21	Prohibition Of Segregated Facilities	FEB 1999
52.222-26	Equal Opportunity	FEB 1999
52.222-27	Affirmative Action Compliance Requirements for Construction	FEB 1999
52.222-35	Affirmative Action For Disabled Veterans And Veterans of the Vietnam Era	APR 1998
52.222-36	Affirmative Action For Workers With Disabilities	JUN 1998
52.222-37	Employment Reports On Disabled Veterans And Veterans Of The Vietnam Era	JAN 1999
52.223-6	Drug Free Workplace	MAY 2001
52.223-14	Toxic Chemical Release Reporting	OCT 2000
52.225-13	Restrictions on Certain Foreign Purchases	JUL 2000
52.226-1	Utilization Of Indian Organizations And Indian-Owned Economic Enterprises	JUN 2000
52.227-1	Authorization and Consent	JUL 1995
52.227-2	Notice And Assistance Regarding Patent And Copyright	AUG 1996

	Infringement	
52.228-14	Irrevocable Letter of Credit	DEC 1999
52.229-3	Federal, State And Local Taxes	JAN 1991
52.229-5	Taxes--Contracts Performed In U S Possessions Or Puerto Rico	APR 1984
52.232-5	Payments under Fixed-Price Construction Contracts	MAY 1997
52.232-17	Interest	JUN 1996
52.232-23 Alt I	Assignment of Claims (Jan 1986) - Alternate I	APR 1984
52.232-27	Prompt Payment for Construction Contracts	MAY 2001
52.233-1 Alt I	Disputes (Dec 1998) - Alternate I	DEC 1991
52.233-3	Protest After Award	AUG 1996
52.236-2	Differing Site Conditions	APR 1984
52.236-3	Site Investigation and Conditions Affecting the Work	APR 1984
52.236-5	Material and Workmanship	APR 1984
52.236-6	Superintendence by the Contractor	APR 1984
52.236-7	Permits and Responsibilities	NOV 1991
52.236-8	Other Contracts	APR 1984
52.236-9	Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements	APR 1984
52.236-10	Operations and Storage Areas	APR 1984
52.236-11	Use and Possession Prior to Completion	APR 1984
52.236-12	Cleaning Up	APR 1984
52.236-13	Accident Prevention	NOV 1991
52.236-15	Schedules for Construction Contracts	APR 1984
52.236-17	Layout of Work	APR 1984
52.236-21	Specifications and Drawings for Construction	FEB 1997
52.236-26	Preconstruction Conference	FEB 1995
52.242-13	Bankruptcy	JUL 1995
52.242-14	Suspension of Work	APR 1984
52.243-4	Changes	AUG 1987
52.244-6	Subcontracts for Commercial Items and Commercial Components	MAY 2001
52.246-2	Inspection Of Supplies--Fixed Price	AUG 1996
52.246-12	Inspection of Construction	AUG 1996
52.246-16	Responsibility For Supplies	APR 1984
52.246-21	Warranty of Construction	MAR 1994
52.247-34	F.O.B. Destination	NOV 1991
52.248-3	Value Engineering-Construction	FEB 2000
52.249-2	Termination For Convenience Of The Government (Fixed-Price)	SEP 1996
52.249-2 Alt I	Termination for Convenience of the Government (Fixed-Price) (Sep 1996) - Alternate I	SEP 1996
52.249-10	Default (Fixed-Price Construction)	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies	MAR 1999
252.203-7002	Display Of DOD Hotline Poster	DEC 1991
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.204-7004	Required Central Contractor Registration	MAR 2000
252.205-7000	Provisions Of Information To Cooperative Agreement Holders	DEC 1991
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country	MAR 1998
252.219-7003	Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (DOD Contracts)	APR 1996
252.225-7031	Secondary Arab Boycott Of Israel	JUN 1992
252.236-7000	Modification Proposals-Price Breakdown	DEC 1991
252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.243-7002	Requests for Equitable Adjustment	MAR 1998
252.244-7000	Subcontracts for Commercial Items and Commercial Components	MAR 2000

(DoD Contracts)
 252.246-7000 Material Inspection And Receiving Report
 252.247-7023 Transportation of Supplies by Sea
 252.247-7024 Notification Of Transportation Of Supplies By Sea
 252.248-7000 Preparation Of Value Engineering Change Proposal

DEC 1991
 MAR 2000
 MAR 2000
 MAY 1994

CLAUSES INCORPORATED BY FULL TEXT

52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)

The Contractor shall be required to (a) commence work under this contract within five (5) calendar days after the date the Contractor receives the initial delivery order (DD Form 1155) or a delivery order requiring remobilization and within one (1) day on subsequent delivery orders, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than the time specified in the individual Delivery Order. The time stated for completion shall include final cleanup of the premises.

(End of clause)

52.211-12 LIQUIDATED DAMAGES--CONSTRUCTION (SEP 2000)

(a) If the Contractor fails to complete the work within the time specified in the contract, the Contractor shall pay liquidated damages to the Government in the amount of \$51.68 for unassigned quarters and \$172.72 for assigned quarters per dwelling, per day, for each calendar day of delay until the work is completed or accepted.

(b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Termination clause.

(End of clause)

52.216-18 ORDERING. (OCT 1995)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued for the Base Period from 1 December 2001 through 30 November 2002 and if Option Year One is exercised, 1 December 2002 through 30 November 2003.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) If mailed, a delivery order or task order is considered "issued" when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

(End of clause)

52.216-19 ORDER LIMITATIONS. (OCT 1995)

(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than \$150.00, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) Maximum order. The Contractor is not obligated to honor:

- (1) Any order for a single item in excess of \$100,000.00;
 - (2) Any order for a combination of items in excess of \$400,000.00; or
 - (3) A series of orders from the same ordering office within three (3) days that together call for quantities exceeding the limitation in subparagraph (1) or (2) above.
- (c) If this is a requirements contract (i.e., includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) above.
- (d) Notwithstanding paragraphs (b) and (c) above, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within seven (7) days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.
- (End of clause)

52.216-21 REQUIREMENTS (OCT 1995)

- (a) This is a requirements contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies or services specified in the Schedule are estimates only and are not purchased by this contract. Except as this contract may otherwise provide, if the Government's requirements do not result in orders in the quantities described as "estimated" or "maximum" in the Schedule, that fact shall not constitute the basis for an equitable price adjustment.
- (b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. Subject to any limitations in the Order Limitations clause or elsewhere in this contract, the Contractor shall furnish to the Government all supplies or services specified in the Schedule and called for by orders issued in accordance with the Ordering clause. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.
- (c) Except as this contract otherwise provides, the Government shall order from the Contractor all the supplies or services specified in the Schedule that are required to be purchased by the Government activity or activities specified in the Schedule.
- (d) The Government is not required to purchase from the Contractor requirements in excess of any limit on total orders under this contract.
- (e) If the Government urgently requires delivery of any quantity of an item before the earliest date that delivery may be specified under this contract, and if the Contractor will not accept an order providing for the accelerated delivery, the Government may acquire the urgently required goods or services from another source.
- (f) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after sixty (60) days beyond the established contract completion date or the completion date stated on the last delivery ordered issued, whichever is later.

(End of clause)

52.217-8 OPTION TO EXTEND SERVICES (NOV 1999)

The Government may require continued performance of any services within the limits and at the rates specified in contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder

shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within the period specified in Section 00010, Solicitation Contract Form.

(End of clause)

52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within anytime before this contract expiration or within 30 calendar days after funds for the exercise of this option becomes available to the Contracting Officer, whichever date is later; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed two (2) years and six (6) months.

(End of clause)

52.219-4 NOTICE OF PRICE EVALUATION PREFERENCE FOR HUBZONE SMALL BUSINESS CONCERNS (JAN 1999)

(a) Definition. HUBZone small business concern, as used in this clause, means a small business concern that appears on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration.

(b) Evaluation preference. (1) Offers will be evaluated by adding a factor of 10 percent to the price of all offers, except--

(i) Offers from HUBZone small business concerns that have not waived the evaluation preference;

(ii) Otherwise successful offers from small business concerns;

(iii) Otherwise successful offers of eligible products under the Trade Agreements Act when the dollar threshold for application of the Act is exceeded (see 25.402 of the Federal Acquisition Regulation (FAR)); and

(iv) Otherwise successful offers where application of the factor would be inconsistent with a Memorandum of Understanding or other international agreement with a foreign government.

(2) The factor of 10 percent shall be applied on a line item basis or to any group of items on which award may be made. Other evaluation factors described in the solicitation shall be applied before application of the factor.

(3) A concern that is both a HUBZone small business concern and a small disadvantaged business concern will receive the benefit of both the HUBZone small business price evaluation preference and the small disadvantaged business price evaluation adjustment (see FAR clause 52.219-23). Each applicable price evaluation preference or adjustment shall be calculated independently against an offeror's base offer.

These individual preference amounts shall be added together to arrive at the total evaluated price for that offer.

(c) Waiver of evaluation preference. A HUBZone small business concern may elect to waive the evaluation preference, in which case the factor will be added to its offer for evaluation purposes. The agreements in paragraph (d) of this clause do not apply if the offeror has waived the evaluation preference.

___ Offeror elects to waive the evaluation preference.

(d) Agreement. A HUBZone small business concern agrees that in the performance of the contract, in the case of a contract for

(1) Services (except construction), at least 50 percent of the cost of personnel for contract performance will be spent for employees of the concern or employees of other HUBZone small business concerns;

(2) Supplies (other than procurement from a nonmanufacturer of such supplies), at least 50 percent of the cost of manufacturing, excluding the cost of materials, will be performed by the concern or other HUBZone small business concerns;

(3) General construction, at least 15 percent of the cost of the contract performance incurred for personnel will be spent on the concern's employees or the employees of other HUBZone small business concerns; or

(4) Construction by special trade contractors, at least 25 percent of the cost of the contract performance incurred for personnel will be spent on the concern's employees or the employees of other HUBZone small business concerns.

(e) A HUBZone joint venture agrees that in the performance of the contract, the applicable percentage specified in paragraph (d) of this clause will be performed by the HUBZone small business participant or participants.

(f) A HUBZone small business concern nonmanufacturer agrees to furnish in performing this contract only end items manufactured or produced by HUBZone small business manufacturer concerns. This paragraph does not apply in connection with construction or service contracts.

(End of clause)

52.225-9 BUY AMERICAN ACT--BALANCE OF PAYMENTS PROGRAM--CONSTRUCTION MATERIALS (FEB 2000)

(a) Definitions. As used in this clause--

Component means any article, material, or supply incorporated directly into construction materials.

Construction material means an article, material, or supply brought to the construction site by the Contractor or a subcontractor for incorporation into the building or work. The term also includes an item brought to the site preassembled from articles, materials, or supplies. However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by the Government are supplies, not construction material.

Cost of components means--

(1) For components purchased by the Contractor, the acquisition cost, including transportation costs to the place of incorporation into the end product (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or

(2) For components manufactured by the Contractor, all costs associated with the manufacture of the component, including transportation costs as described in paragraph (1) of this definition, plus allocable overhead costs, but excluding profit. Cost of components does not include any costs associated with the manufacture of the end product.

Domestic construction material means--

(1) An unmanufactured construction material mined or produced in the United States; or

(2) A construction material manufactured in the United States, if the cost of its components mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. Components of foreign origin of the same class or kind for which nonavailability determinations have been made are treated as domestic.

Foreign construction material means a construction material other than a domestic construction material.

United States means the 50 States and the District of Columbia, U.S. territories and possessions, Puerto Rico, the Northern Mariana Islands, and any other place subject to U.S. jurisdiction, but does not include leased bases.

(b) Domestic preference. (1) This clause implements the Buy American Act (41 U.S.C. 10a-10d) and the Balance of Payments Program by providing a preference for domestic construction material. The Contractor shall use only domestic construction material in performing this contract, except as provided in paragraphs (b)(2) and (b)(3) of this clause.

(2) This requirement does not apply to the construction material or components listed by the Government as follows:
NONE

(3) The Contracting Officer may add other foreign construction material to the list in paragraph (b)(2) of this clause if the Government determines that

(i) The cost of domestic construction material would be unreasonable. The cost of a particular domestic construction material subject to the requirements of the Buy American Act is unreasonable when the cost of such material exceeds the cost of foreign material by more than 6 percent. For determination of unreasonable cost under the Balance of Payments Program, the Contracting Officer will use a factor of 50 percent;

(ii) The application of the restriction of the Buy American Act or Balance of Payments Program to a particular construction material would be impracticable or inconsistent with the public interest; or

(iii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality.

(c) Request for determination of inapplicability of the Buy American Act or Balance of Payments Program. (1)(i) Any Contractor request to use foreign construction material in accordance with paragraph (b)(3) of this clause shall include adequate information for Government evaluation of the request, including--

(A) A description of the foreign and domestic construction materials;

(B) Unit of measure;

(C) Quantity;

(D) Price;

(E) Time of delivery or availability;

(F) Location of the construction project;

(G) Name and address of the proposed supplier; and

(H) A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph (b)(3) of this clause.

(ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph (d) of this clause.

(iii) The price of construction material shall include all delivery costs to the construction site and any applicable duty (whether or not a duty-free certificate may be issued).

(iv) Any Contractor request for a determination submitted after contract award shall explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before contract award. If the Contractor does not submit a satisfactory explanation, the Contracting Officer need not make a determination.

(2) If the Government determines after contract award that an exception to the Buy American Act or Balance of Payments Program applies and the Contracting Officer and the Contractor negotiate adequate consideration, the Contracting Officer will modify the contract to allow use of the foreign construction material. However, when the basis for the exception is the unreasonable price of a domestic construction material, adequate consideration is not less than the differential established in paragraph (b)(3)(i) of this clause.

(3) Unless the Government determines that an exception to the Buy American Act or Balance of Payments Program applies, use of foreign construction material is noncompliant with the Buy American Act or Balance of Payments Program.

(d) Data. To permit evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the Contractor shall include the following information and any applicable supporting data based on the survey of suppliers:

Foreign and Domestic Construction Materials Price Comparison

Construction material description	Unit of measure	Quantity	Price (dollars) \1\
Item 1			
Foreign construction material....			
Domestic construction material...			
Item 2			
Foreign construction material....			
Domestic construction material...			

Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued).

List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.

Include other applicable supporting information.

(End of clause)

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

www.arnet.gov/far

252.225-7012 PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES (AUG 2000)

(a) The Contractor agrees to deliver under this contract only such of the following articles that have been grown, reprocessed, reused, or produced in the United States, its possessions, or Puerto Rico --

- (1) Food;
 - (2) Clothing;
 - (3) Tents, tarpaulins, or covers;
 - (4) Cotton and other natural fiber products;
 - (5) Woven silk or woven silk blends;
 - (6) Spun silk yarn for cartridge cloth;
 - (7) Synthetic fabric, and coated synthetic fabric, including all textile fibers and yarns that are for use in such fabrics;
 - (8) Canvas products;
 - (9) Wool (whether in the form of fiber or yarn or contained in fabrics, materials, or manufactured articles); or
 - (10) Any item of individual equipment (Federal supply Classification 8465) manufactured from or containing such fibers, yarns, fabrics, or materials.
- (b) This clause does not apply --
- (1) To supplies listed in FAR section 25.104(a), or other supplies for which the Government has determined that a satisfactory quality and sufficient quantity cannot be acquired as and when needed at U.S. market prices;
 - (2) To foods which have been manufactured or processed in the United States, its possessions, or Puerto Rico;
 - (3) To chemical warfare protective clothing produced in the countries listed in subsection 225.872-1 of the Defense FAR Supplement; or
 - (4) To fibers and yarns that are for use in synthetic fabric or coated synthetic fabric (but does apply to the synthetic or coated synthetic fabric itself), if--
 - (i) The fabric is to be used as a component of an end item that is not a textile product. Examples of textile products, made in whole or in part of fabric, include--
 - (a) Draperies, floor coverings, furnishings, and bedding (Federal Supply Group 72, Household and Commercial Furnishings and Appliances);
 - (B) Items made in whole or in part of fabric in Federal Supply Group 83, Textile/leather/furs/apparel/findings/tents/flags, or Federal Supply Group 84, Clothing, Individual Equipment and Insignia;
 - (C) Upholstered seats (whether for household, office, or other use); and
 - (D) Parachutes (Federal Supply Class 1670); or
 - (ii) The fibers and yarns are para-aramid fibers and yarns manufactured in the Netherlands.
- (End of clause)

SECTION 00800 Special Contract Requirements

ACCOUNTING AND APPROPRIATION DATA

AA: Payment will be made through the Government Credit Card System
AMOUNT: \$0.00

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CLAUSES INCORPORATED BY REFERENCE:

52.228-2	Additional Bond Security	OCT 1997
52.228-11	Pledges Of Assets	FEB 1992
52.228-14	Irrevocable Letter of Credit	DEC 1999

CLAUSES INCORPORATED BY FULL TEXT

52.000-4203 USE OF TOBACCO PRODUCTS ON FORT LEONARD WOOD

The Contractor and its employees shall be familiar with and shall comply with the provisions of Policy Memorandum Titled "Smoking and Tobacco Use Policy" as presently written and as subsequently amended. The Contractor, upon its request, shall be furnished with a copy of this Policy Memorandum. However, failure to request a copy of the memorandum will not relieve the Contractor from complying with the requirements of this paragraph.

52.000-4207 FIRE PREVENTION

a. The current Post Fire Regulations, AR 420-90, Fire Prevention and Protection, and FLW Supplements to AR 420-90 are by this reference made a part of this solicitation and resultant contract. The Contractor's operations shall conform to all applicable portions of those documents. All personnel entering on duty as Contractor's employees shall be instructed in the fire prevention program of the Post and shall be advised of the requirement of the Post Fire Regulations as they pertain to this particular contract.

b. The Contractor shall obtain a written "Hot Work Permit" (DA Form 5383-R) prior to commencing all hot work outside an approved shop area. Permits will be issued by the Fort Leonard Wood Fire Department, (573) 596-0883, after all necessary precautions have been taken, such as wetting down the area, protection of combustible material, and positioning of first aid fire extinguishers of proper type and class. Permits must be obtained in advance for use of open flame devices, such as blow torches, portable furnaces, tar kettles, or gas and electric welding and cutting equipment. Preparation and protection for such areas are the responsibility of the Contractor accomplishing the work. An inspection conducted by the Fire Department prior to commencing work may be required; however, the Contractor shall conduct an inspection of the area at least 30 minutes after completion of all work. The Contractor shall be liable for any fire loss to Government property attributable to negligence on the part of the Contractor, including failure to comply with fire prevention measures prescribed by terms of this contract.

c. The Fire Prevention-Protection Division is responsible for monitoring the Contractor in the area of fire prevention and advising the Contracting Officer of all deficiencies. The Contracting Officer will alert the Contractor if a violation is a fire hazard or fire protection deficiency.

d. The provision in no way authorizes anyone other than the Contracting Officer to commit the Government to changes in the terms of the contract.

52.000-4208

NORMAL WORKING HOURS

a. The Contractor shall schedule his working hours to coincide with the working hours of the military reservation. Normal working hours of the reservation are 7:30 a.m. to 4:00 p.m., Monday thru Friday, Legal Public Holidays excepted. The Contractor shall not perform work on the reservation beyond the aforementioned working hours without the written approval of the Contracting Officer.

For informational purposes, the Government observes the following holidays:

New Year's Day, 1 January
Martin Luther King, Jr.'s Birthday, the third Monday in January
Presidents' Day, the third Monday in February
Memorial Day, the last Monday in May
Independence Day, 4 July
Labor Day, the first Monday in September
Columbus Day, the second Monday in October
Veterans Day, 11 November
Thanksgiving Day, the fourth Thursday in November
Christmas Day, 25 December

When such holidays fall on a Saturday, the preceding Friday will be considered a holiday. When such holidays fall on a Sunday, the succeeding Monday will be considered a holiday. (Applicable to Government personnel only.)

b. If the Contractor for his convenience desires to perform work during other than normal working hours or on other than normal workdays, he shall notify the Contracting Officer in writing at least 72 hours in advance. The Contractor shall not perform work beyond the normal working hours or normal workdays without the Contracting Officer's written approval. The Contractor shall reimburse the Government for any additional expense occasioned the Government thereby, such as, but not limited to, overtime pay for Government inspectors, utilities service, etc.

52.000-4209

UTILIZATION OF HEAVY TRACKED OR WHEELED EQUIPMENT

All projects that require the use of any heavy tracked or wheeled equipment on the streets will require prior approval by the Directorate of Public Works.

52.000-4215 PREVENTION OF TRAINEE ABUSE

The Contractor and its employees shall be familiar with and shall comply with the provisions of Fort Leonard Wood (FLW) Regulation 350-12, Training Leadership, as presently written and as subsequently amended. The Contractor,

upon its request, shall be furnished with a copy of FLW Regulation 350-12. However, failure to request a copy or the regulation will not relieve the Contractor from complying with the requirements of this paragraph.

52.000-4220 EMPLOYEES OF CONTRACTOR

a. The Contractor shall furnish to the Contracting Officer upon commencement of work under this contract a written statement containing the complete name, address, and job title of each employee including subcontractor employees engaged in performance of the work under this contract. In the event of a change in employees necessitated by illness, change in personnel, or other reasons, the Contractor shall advise the Contracting Officer of the change and shall furnish him the same information on the new employee prior to his arrival on the premises.

b. The Contractor shall be responsible for the performance and conduct of his employees, to include subcontractor employees, at all times while performing under the contract. Employees of the Contractor or subcontractor may be denied entry to the installation by the military police or other authorized Government authority if it is determined that such entry may be contrary to good order, discipline or the security of the installation. Pursuant to 18 U.S.C. 1382, the Installation Commander may bar individuals from entry on the installation.

52.000-4221 LIABILITY OF CONTRACTOR

The Contractor shall be liable for injuries or damages to persons or property resulting from the negligent acts or omissions of the Contractor, his agents, employees and/or subcontractors.

52.000-4223 REGISTRATION OF VEHICLES

1. All motor vehicles within the boundaries of Fort Leonard Wood, Missouri, utilized by the Contractor and/or his employees (POV's included) must be registered with the Law Enforcement Command (LEC). Vehicle registration is a Department of the Army requirement.
2. All motor vehicles will be registered utilizing Department of Defense decals with expiration dates and installation identification. The vehicle registration processing point will be located in Building 470, Soldiers Service Center, Room 2125.
3. A Department of Defense decal will be issued for each registered vehicle. Contractors and Contractor employees will be issued one of two types of decals, depending upon the length of time of the contract. For contracts of a year or more in duration, an annually renewable decal will be issued. For those contracts of less than

one year, a temporary pass will be issued. Contractor personnel who are eligible to register as retired military or dependent of military must register in such a manner.

4. Required documentation for registration consists of the following:

- current valid driver's license
- state vehicle registration
- state safety inspection (if required by state of registration)
- proof of insurance
- motorcycle safety course (applicable to motor cycle registration only)
- military, civilian or contractor identification
- letter of employment verification (submitted on Company letterhead)

5. Decals must be permanently affixed to the vehicle. Authorized location is the upper center of the windshield, under the rear view mirror (right front post for motor cycles). All individuals are responsible for their decals. If the vehicle is sold, traded, incapacitated in any way, or employment is terminated, the individual must remove (scrape decal off window) the decal and return it to LEC and they will destroy the sticker.

6. Vehicles without authorized decals are subject to being stopped for purposes of identification and/or issuance of a daily or visitor pass.

52.000-4236 CONTRACTOR CORRESPONDENCE REQUIREMENTS

All Contractor and subcontractor originated correspondence under this contract shall be on the originating firm's letterhead, except in the case where pre-printed Government forms are used, shall be typed or handwritten in a legible manner, and shall be submitted in the signed original, with supporting copies as required by the Contracting Officer.

52.217-4000 EXERCISE OF OPTIONS

In the event the Government does not exercise the option under FAR clause 52.217-9 (Option to Extend the Term of the Contract), the Government may require continued performance of any services within the limits and at the rates specified in the contract by exercising FAR Clause 52.217-8 (Option to Extend Services). However, FAR clause 52.217-9 shall not be exercised after FAR Clause 52.217-8 has been utilized. (NOTE: Stated FAR Clauses are listed in full text in Section 00700.)

52.228-4201 BID GUARANTEE AND BOND REQUIREMENTS

a. BID GUARANTEE. The offeror (bidder) shall furnish a bid guarantee in the form of a firm commitment, such as a bid bond, postal money order, certified check, cashier's check, irrevocable letter of credit, or, under Treasury

Department regulations, certain bonds or notes of the United States in accordance with FAR Clause 52.228-1, Bid Guarantee, stated elsewhere in the solicitation. The bid guarantee shall be twenty percent (20%) of the bid price or \$3,000,000, whichever is lesser. The penal sum may be expressed in terms of a percentage of the bid price or may be expressed in dollars and cents. A bid guarantee is not required for bids of \$100,000 or less.

b. PERFORMANCE AND PAYMENT BONDS. The Contractor shall furnish a Performance Bond (Standard Form 25) and a Payment Bond (Standard Form 25-A), each with good and sufficient surety or sureties acceptable to the Government within ten (10) days after contract award date.

c. On requirements-type contracts, performance and payment bonds will be required on the first delivery order issued under the contract. Thereafter as additional delivery orders (DD Form 1155) are issued the contractor shall cause the penal amount of each bond to be increased to equal the total contract price as of the date of the most current delivery order. The contractor shall utilize a Standard Form 1415, (Consent of Surety and Increase of Penalty) to increase the penal sum. The initial performance bond (SF 25) and payment bond (SF 25-A) shall be submitted within seven (7) days after the date of the initial order (Block 3 of DD Form 1155). Thereafter a SF 1415 shall be submitted within seven (7) after the execution of each additional delivery order. The contractor may not proceed with the work on any delivery order until the penal sum of the performance and payment bonds has been adjusted to reflect the total contract price.

d. The penal amount of the performance bond shall equal-

(1) Performance Bond: The penal amount of the performance bond shall equal one hundred percent (100%) of the contract/delivery order price.

(2) Payment Bond: The penal amount of payment bonds shall equal one hundred percent (100%) of the contract/delivery order price.

e. Should a contractor performing a Requirements Contract determine during contract performance that it wishes to utilize a different Surety for future delivery orders, the contractor shall obtain a Consent of Surety (SF 1414) from the existing Surety prior to submitting any bonds from an alternative Surety to the Contracting Officer.

52.228-4202 REQUIRED INSURANCE

a. The Contractor shall, at its own expense, procure and maintain during the entire period of his performance under this contract the following minimum insurance:

TYPE	AMOUNT
(1) Workmen's Compensation	
The required Workmen's Compensation Insurance shall extend to cover employee's liability for accidental bodily injury or death and for occupational disease with a minimum liability of:	\$100,000.00

- (2) Comprehensive General Liability with minimum limits of:

Per accident or occurrence for bodily injury \$500,000.00

This insurance shall include Contractor's protective liability and contractual liability.

- (3) Comprehensive Automobile Liability with minimum limits of:

Per Person	\$200,000.00
Per Accident for Bodily Injury	\$500,000.00
Per Accident for Property Damage	\$ 20,000.00

b. Prior to commencement of work hereunder, the Contractor shall furnish to the Contracting Officer, a certificate or written statement of the above required insurance. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change in the policies adversely affecting the interests of the Government in such insurance shall not be effective for such periods as may be prescribed by the laws of the State in which this contract is to be performed and in no event less than thirty (30) days after written notice thereof to the Contracting Officer.

c. The Contractor shall insert the substance of this clause, including this paragraph c, in subcontracts under this contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule, or elsewhere in the contract. At least five (5) days before entry of each such subcontractor's personnel on the government installation, the contractor shall furnish (or ensure that there has been furnished) to the Contracting Officer a current certificate of insurance, meeting the requirements of paragraph b above, for each such subcontractor.

52.232-4203 MATERIAL PAYMENT AUTHORIZATION

Consideration is hereby authorized for PROGRESS PAYMENTS to the Contractor for materials to be utilized on the work covered by this contract, delivered to the Contractor at locations other than the site. The Contractor must furnish satisfactory evidence that he has acquired title to such material and the material will be inventoried by the Government. The reimbursement by the Government shall not be construed as relieving the Contractor from the sole responsibility for the protection and the security of the material or as waiving the right of the Government to require the fulfillment of all of the terms of the contract.

52.236-4204 INSPECTION OF WORK

Technical surveillance of workmanship and inspection of materials for work being performed under this contract shall be the responsibility of the Director of Public Works or his authorized representative. This provision in no way authorizes anyone other than the Contracting Officer to commit the Government to changes in the terms of the contract. In the event it is determined necessary to designate a COR for this contract, such designation

shall be by a separate letter to the individual selected with a copy furnished to the Contractor.

52.236-4208 LICENSES, PERMITS AND BONDS REQUIRED ON FORT LEONARD WOOD, MO AND THE LAKE OF THE OZARKS RECREATION AREA, CAMDENTON, MO

- a. The Contractor shall provide at his expense all licenses, permits and bonds as may be required by the state, county, and municipality on which he will operate any type of motor vehicle.
- b. Any vehicle operated by the Contractor on the military reservation must meet State Safety Standards and carry a current state inspection sticker to so indicate.
- c. Contractor will be required to submit evidence of insurance on all vehicles. Operators will be required to possess valid state permits to operate the vehicles which are assigned to them (Driver's License, Chauffeur's License, etc.).

52.236-4210 UTILITIES

At work sites where Government utilities are currently available, the Government will provide necessary utilities for the completion of the work at no charge to the Contractor. The Contractor must satisfy himself as to the extent of Government utility services available at each site and include any costs associated with the providing of necessary utilities, not available from the Government, in the prices bid for the applicable bid item.

52.236-4213 EXCAVATION PERMIT REQUEST

If this project requires an excavation permit, the following procedures will apply:

a. The Contractor is required to process an Excavation Permit, FLW Form 364, prior to any digging of six inches (6") or deeper, including installing posts or planting trees. Coordination with other Contractors and Army Agencies is required to properly locate all underground utilities. Utilities identified in the immediate area of the excavation site shall be located and marked prior to the Contractor proceeding with the excavation.

b. The Contractor shall make contact with the following contractors and Army Agencies at least two working days, but not more than ten working days, from the day excavations are expected to begin. An on-site meeting shall be held in advance to specifically point out the excavation location and to provide time for these persons to locate and mark underground utilities. A signature is required from each point of contact in order for DPW to approve the excavation permit. The completed excavation permit shall be furnished to the DPW Work Management office, Building 2200 for approval. A copy of the approved permit shall be furnished to the DPW Inspection Branch, Building 2202.

c. POINTS OF CONTACT:

1. To locate telephone lines owned by United Telephone System:
POC: Missouri One Call, Phone: 1-800-DIG-RITE

Information you will need: (a) Name, address and phone number of your company; (b) excavation location to include township, range, section and quarter section or street name and address/building number; (c) type of work and depth to be excavated.

You will be given a serial number for your project. KEEP FOR YOUR RECORDS. Note the time and date of your call. Once you have the serial number you need to contact Sam Spade, (573) 336-4242 or (573) 336-4300, to arrange a meeting time.

2. To locate cable television lines (48 hour notice required):
POC: Cable America Dispatch, Phone: (573) 336-5284
3. To locate U.S. Army telephone lines:
POC: DOIM, phone (573) 596-0680
4. To locate J-SIIDS lines, security alarm systems (located only at the Ammo supply Point):
POC: DOL, Phone: (573) 596-0874
5. To locate natural gas pipelines:
POC: Omega Pipeline Company (on FLW), Phone: (800) 282-4916
Missouri Gas Company (Railroad ROW) Phone: (800) DIG-RITE
6. To locate underground primary (12.47/7.2 KV) electrical lines and area lighting circuits:

POC: Ext. Primary Electric, Phone: (573) 596-0068

7. To locate water, sanitary sewer, LLPG, fuel oil, steam, and EMCS (Energy Monitoring and Control System) lines, secondary Electrical line, chilled water, high temperature and cathodic Protection lines:

POC: Base Maintenance, Phone: (573) 596-0074

d. If any utilities are cut or damaged during excavations, the Contractor shall immediately notify the DPW Inspection Office, 596-0907

e. Only one approved permit is required per project. If a project entails a large scope of excavations, the utilities should be located in increments of work not exceeding one week's worth of digging operations. This will ensure that markings and flags used to locate underground utilities are not disturbed before digging can begin. If the Contractor elects to have the utilities located in increments, the Contractor shall conduct an on-site meeting for each increment documenting the times, dates, and POCs in case of discrepancies.

f. A blank excavation permit can be obtained at the publications Office, Building 2314, or in the Work Management Office, DPW, Building 2200.

g. The Contractor is required to furnish the Contracting Officer with a drawing identifying any utility or other item permanently installed below the ground surface. If utilities, abandoned lines, or other items are

uncovered during excavations which were not identified by excavation permit coordinators, these shall also be identified to the government. This is important in order to update basic information maps. The DPW POC is at 596-922, Building 2200, or contact your Government inspector.

52.236-4215 INVOICING - Payment by Government Credit Card

1. Contractor shall submit original invoice(s) to:

Directorate of Contracting
Post Office Box 140
561 Iowa Avenue, Building 606
Fort Leonard Wood, Missouri 65473-0140

2. Payment will be made using the Government Credit Card.
3. Invoice payment inquiries shall be directed to the cognizant Contracting Officer, telephone number is (573) 596-0266 and facsimile number (573) 596-0267.

52.242-4201 RESPONSIBILITY FOR ADMINISTRATION OF CONTRACT

The Contract Administration Division is responsible for the administration of this contract. The Contracting Officer alone is authorized to take action on behalf of the Government which results in changes in the terms of the contract, including deviations from specifications, details and delivery schedules.

General Decision Number MO010039

Superseded General Decision No. MO000039

State: Missouri Construction Type:

RESIDENTIAL County(ies):

PHELPS PULASKI RESIDENTIAL CONSTRUCTION PROJECTS consisting of single family

homes and apartments up to and including 4 stories.

Modification Number Publication Date

0 03/02/2001

1 07/20/2001

COUNTY(ies):

PHELPS PULASKI * PAIN1265A 07/01/2001

	Rates	Fringes
PAINTERS:		
Brush & Roller	17.54	7.37
Taping, Paperhanging		
Floorwork and Spray	18.04	7.37
Structural Steel,		
Sandblasting and All		
Tank Work	18.79	7.37
Lead Abatement	19.79	7.37

SUMO4002A 01/26/1990

	Rates	Fringes
BRICKLAYERS	12.80	0.35
CARPENTERS	12.05	1.67
CEMENT MASONS	12.18	1.50
ELECTRICIANS	11.36	
INSULATORS	12.83	
IRONWORKERS	14.725	1.91
LABORERS:		
General	10.15	1.20
Mason Tenders	10.50	1.20
PLUMBERS	14.005	3.35
POWER EQUIPMENT OPERATORS:		
Backhoes	14.32	2.50
SHEET METAL WORKERS	14.03	3.02+3%
SOFT FLOOR LAYERS	11.50	2.20
WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental		

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be

prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

Quarters Address: _____

Task Description	Completed
<u>Kitchen Cabinets:</u>	()
1. Re-anchor/tighten door pulls, hinges, catches. Replace if missing or defective.	()
2. Re-anchor/tighten drawer pulls and guides. Replace if missing or defective.	()
3. Repair/replace damaged drawer fronts.	()
4. Repair/replace cabinet floor under sink if rotted out. Floor shall be repaired by securely fastening sheet metal to existing cabinet floor.	()
5. Repair/replace damaged false front on sink cabinet.	()
<u>Sinks and Lavatories:</u>	()
1. Repair supply line leaks.	()
2. Repair/replace defective stoppers.	()
3. Unclog drains as needed.	()
4. Repair/replace defective drains and traps.	()
<u>Faucets (Kitchen, Lavatory, Shower, Tub and Washer Box):</u>	()
1. Replace defective or deteriorated aerators.	()
2. Repair leaks, drips and runs. Notify the DPW Inspector if a faucet needs replaced.	()
<u>Commodes:</u>	()
1. Tighten stool, tank, seat and lid. Replace seat and lid if defective.	()
2. Repair supply line leaks.	()
3. Repair/replace defective flush valve.	()
4. Replace wax ring if leaking/defective.	()
5. Unclog stool as needed.	()
<u>Tub/Shower:</u>	()
1. Repair leaks, drips and runs.	()
2. Repair/replace defective stoppers.	()
3. Repair defective shower heads. Notify the DPW Inspector if replacement is necessary.	()
4. Insure tub and shower enclosure is properly caulked. Remove or replace as necessary.	()
5. Reaffix loose water wings.	()
6. Repair/replace defective drains and traps.	()
7. Unclog drains as needed.	()
<u>Bath Items:</u>	()
1. Re-anchor/tighten towel bars, soap dishes, toilet paper holders and cup holders.	()
2. Re-anchor/tighten shower rods.	()
3. Replace missing or defective items as needed.	()

Task Description	Completed
<u>Vanities:</u>	
1. Tighten/re-anchor drawer pulls and guides. Replace if defective or missing.	()
2. Tighten/re-anchor door pulls, hinges and catches. Replace if defective or missing.	()
3. Caulk between vanity and wall as needed.	()
<u>Windows:</u>	
1. Replace damaged trim.	()
2. Replace damaged screen fabric and defective/missing latches.	()
3. Insure proper latching, tilt and balance. Replace defective balances, latches and tilt clips.	()
4. Repair damaged frames.	()
5. Caulk perimeter of window units as needed.	()
<u>Electric Items:</u>	
1. Replace defective toggle switches and receptacles to match existing.	()
2. Tighten loose cover plates. Replace if broken.	()
3. Remove 220 volt window A/C receptacles, wire nut conductors and provide cover plates.	()
4. Replace defective breakers.	()
5. Replace burned-out light bulbs/lamps or provide new if missing. Lamp wattages are to be as specified in Section 16500 light schedule.	()
6. Insure proper operation of garbage disposal. Notify the DPW Inspector if unit needs replaced.	()
7. Replace missing or damaged light fixture globes.	()
<u>Interior and Exterior Doors (Including Furnace Room and Shed):</u>	
1. Adjust door, jamb, strike plate, etc. to insure proper closure. Plane door if needed.	()
2. Tighten/re-anchor hinges, strike plates, knobs, pulls and doorstops. Replace if missing.	()
3. Tighten/re-anchor threshold rubber. Replace if damaged or missing.	()
4. Insure proper operation of locksets. Replace plunger if defective and notify the DPW Inspector if total lockset replacement is necessary.	()
5. Replace/adjust weather stripping.	()
6. Re-nail veneer as required.	()
<u>Storm Doors:</u>	
1. Insure proper closure, latching and locking. Replace closure if defective.	()
2. Tighten/re-anchor catch chain. Provide if missing.	()
3. Tighten/reinstall fasteners to frame, hinges and bottom panels.	()
4. Install vinyl covering of exterior wood trim adjacent to back storm door.	()
<u>Dryer Vent:</u>	
1. Tighten/reinstall cleanouts, hoods and ducts. Replace if damaged or provide if missing.	()

Hot Water Heater:

1. Repair leaks at pop-off valve, shut-offs, supply lines, etc. Replace defective components as necessary. Notify the DPW Inspector if the entire unit needs replaced. ()

Task Description

Completed

Exterior Faucets:

1. Repair leaks, drips and runs. ()

Gutter Downspouts:

1. Tighten/re-anchor downspouts and elbows. ()
2. Replace damaged elbow and downspouts. ()

Handrails:

1. Tighten/re-anchor brackets and handrails. ()
2. Replace broken brackets. ()

Countertops:

1. Re-glue loose end-caps. Replace if missing. ()
2. Caulk between walls and countertops as needed. ()

Grilles/Registers:

1. Tighten/re-anchor wall units. Provide wood back-up for loose/missing screws. ()
2. Re-nail boots as necessary. ()
3. Replace missing registers. Match existing in style and color. ()

Tile/Sheet Vinyl:

1. Re-glue sheet vinyl seams as needed. Provide metal strip at seams if re-gluing is ineffective. ()
2. Re-glue vinyl base as needed. ()
3. Re-glue/re-grout ceramic tile as needed. ()
4. Provide 1/2" wide flat aluminum edge strip where sheet vinyl meets tub, if not existing. ()

Closets:

1. Tighten/re-anchor clothes rod supports. Provide new if missing or damaged. ()
2. Tighten/re-anchor door guides and rollers. Replace if missing or damaged. ()
3. Replace damaged/missing shelves. ()
4. Replace damaged or missing closet rod. ()

Materials Used

* Check each task that required accomplishment.

Labor Hours Expended: _____ hrs

Contractor Signature: _____ Date: _____

DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

Family Housing Repairs, Painting and Floor Refinishing

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16500

Interior Electrical

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SECTION 01010
SUMMARY OF WORK

1. DESCRIPTION OF WORK:

1.1. Work to be done: The work consists of furnishing all plant, labor and materials and performing all work in strict accordance with these specifications as hereinafter described.

1.2. Location: The site of the proposed work is the Family Housing area on Fort Leonard Wood Military Reservation, Fort Leonard Wood, Missouri.

2. PRINCIPAL FEATURES: Work to be performed will include, but will not be limited to painting and repairs IAW the attached Task Lists and specifications. All work shall be on a requirement basis, as directed by the Contracting Officer on a delivery order.

3. SEQUENCE OF WORK:

3.1. Quantity: The number of Family Housing quarters that the Contractor will be issued to work on may vary from zero to fifteen (0-15) quarters per day. The Contractor will be issued no more than 50 sets of quarters within a normal workweek. The number of houses per month issued to the Contractor for the period from April 2000 through March 2001 is provided on the "WORKLOAD DATA" Exhibit. This data is provided for informational purposes only. The Contractor will be issued no more than fifteen (15) quarters on any one (1) day.

3.2. Notification: After a delivery order has been issued and until work on that delivery order is complete, the Contractor shall report to the Directorate of Public Works (DPW) Inspection Office between 1500 and 1600 hours daily, Monday through Friday, except legal public holidays. The Contractor will be provided the addresses of quarters and a list of work that will be required in each quarter.

3.3. Schedule:

3.3.1. The Contractor shall complete painting, repair work, and preventive maintenance of each set of quarters within three (3) consecutive workdays and refinishing of hardwood floors in each set of quarters within five (5) consecutive workdays, after receipt of the address from the DPW Inspection Office. If preventive maintenance, painting, repair work, and floor refinishing are all required, a total of eight (8) consecutive work days will be allowed for completion of work in that set of quarters, after receipt of the address from the DPW Inspection Office. One workday will be allowed for completion of work in a set of quarters if only preventive maintenance is required. The Contractor shall be allowed an additional two (2) workdays for installation of new dishwashers. The Contractor will be allowed thirty (30) calendar days to accomplish all work associated with replacing exterior doors to include ordering material and scheduling with occupants. An additional five (5) days will be allowed for Type "W" quarters that receive a bathroom renovation unless painting, floor refinishing and bathroom renovation are required, for which a total of eleven (11) days will be allowed. The time allowed for completion of work required in each set of quarters will begin to run at 0800 hours the workday following the receipt of the work requirement from the DPW Inspection Office.

3.3.2. Inspection: When the Contractor deems all required work in a set of quarters to have been completed, the Contractor shall contact the Inspection Branch for a joint inspection of the completed quarters. The Contractor is not required to request or have completed a quarter's inspection prior to the end of the maximum time for completion period authorized by paragraph 3.3.1. However, if the Contractor requests inspection prior to the end of the authorized completion period, no time in addition to the period authorized by paragraph 3.3.1 shall be granted for the completion of such work should the quarters fail to pass inspection. Joint inspections will start at 0800 hours each workday as needed.

3.3.3. Deficiencies: If the DPW Inspector finds the work to be complete within the time allowed, and otherwise acceptable except for minor deficiencies, the Contractor will be given a written list of the deficiencies and must satisfactorily correct them by 1400 hours that day, or prior to the specified completion date, whichever is later. DPW Inspection Branch will perform an inspection every 24 hours thereafter, if necessary, until all deficiencies are adequately corrected. Liquidated damages will not be assessed as long as all noted deficiencies are satisfactorily corrected within the specified completion period as defined in paragraph C.3.3.1 above or by 1400 hours the day of the initial inspection. Where deficiencies noted are found to be inadequately corrected, liquidated damages will be assessed from the start of the originally required completion time for the quarters until the time all deficiencies are corrected to DPW Inspection Offices satisfaction. If the Contractor's failure to complete the quarters by the required completion date results in the Government having to reschedule a quarters assignment, the amount of damages will include costs associated with re-inspection, rescheduling occupancy, transportation/storage of household goods, and basic allowance for housing (BAH). If the delinquent completion does not result in an assignment rescheduling, the amount of damages will only include DPW re-inspection costs. Refer to the "liquidated damages" clause found in Section I for rate amounts.

3.3.4. Incomplete Work: Any set of quarters presented for acceptance inspection by the Contractor that has wet paint or work being accomplished by his employees or subcontractors at the time of the inspection will be deemed incomplete work. The inspection will be immediately terminated and no list of deficiencies will be issued. The Contractor will be required to contact Inspection Branch for another joint inspection of the quarters when work is completed.

3.3.5. The Government will schedule work in occupied quarters and provide the requirements to the Contractor at least forty-eight hours prior to the scheduled date/time. The Contractor shall keep appointments with occupants within \pm one (1) hour of scheduled time.

3.4. Preventive Maintenance: When directed by the Contracting Officer, the Contractor shall perform preventive maintenance (PM) on unoccupied Family Housing Quarters. Tasks to be performed during PM are outlined in "Family Housing Preventive Maintenance Checklist" Exhibit. The Contractor shall be required to complete all information requested in "Family Housing Preventive Maintenance Checklist" Exhibit regarding tasks performed, labor hours expended, and materials used with their associated costs. The completed "Family Housing Preventive Maintenance Checklist" Exhibit for each quarter shall be signed by the Contractor and two copies provided to the DPW Inspector prior to inspection of work. Payment for tasks

performed during PM shall be included in the Task item for preventive maintenance of unoccupied Family Housing Quarters and no additional payment shall be made.

3.5. Quarters Inspection:

3.5.1. The Contractor shall inspect each unoccupied quarter's prior to the start of the work.

3.5.2. In the event any unusual condition exists, the Contractor shall notify the DPW Inspection Office before the condition is disturbed to make the condition a matter of record and to determine the procedure to be followed.

3.5.3. If work cannot proceed due to inability to access the quarters (no lock-box), others working in the quarters (contract cleaning team), or any other circumstance beyond the Contractor's control, the address shall be returned to the Government and the quarters rescheduled. The Contractor will be paid for their inconvenience IAW the applicable task item.

3.5.4. The DPW Inspection Office will make an acceptance inspection when each set of quarters is reported complete.

3.5.5. Unoccupied living quarters are those quarters that are not assigned to an occupant. These quarters will have some Government-owned furniture or appliances present.

3.6. Responsibility of the Contractor:

3.6.1. The Contractor is responsible for the unoccupied quarters that are in his possession (i.e. those for which work has been scheduled).

3.6.2. Any furniture or appliances within the quarters shall be moved and protected as necessary within the quarters by the Contractor.

3.6.3. The Contractor, or any personnel employed by the Contractor, shall not be permitted to use the stove or refrigerator within the family quarters.

3.6.4. During periods of cold weather, the Contractor shall insure that thermostats are set at 50 degrees Fahrenheit and that the living quarters are secured so that freezing of pipes will not occur. During periods of hot weather, thermostats shall not be set any lower than 78 degrees Fahrenheit. Any malfunction of the heating system, windows or doors shall be reported to the Contracting Officer.

3.6.5. Any damage caused by negligence on the part of the Contractor or his agents, employees, or sub-contractors shall be repaired by the Contractor at no cost to the Government and to the complete satisfaction of the Contracting Officer.

3.6.6. Some unoccupied dwelling units will have Government furniture, fixtures and appliances in various rooms in the quarters. Said furniture, fixtures, and appliances shall not be removed from the quarters. The Contractor shall be required to work around and protect from damage this furniture, fixtures and appliances. Upon completion of the work, the Contractor shall be required to return the furniture, fixtures and appliances to their original location.

3.6.7. During winter months, freeze-up lights are hung in a window of unoccupied quarters facing the street. The Contractor is responsible to see that these lights are operable and in place in the proper window when he is not in attendance at the quarters assigned to him.

4. WORK SITE HOUSEKEEPING AND CLEANING:

4.1. The Contractor shall maintain the quarters work site in a condition that will prevent damage and injury to all personnel and property. No parking of vehicles on turf areas is allowed.

4.2. No containers of volatile paint or volatile cleaners, brushes or thinners and other flammables shall be stored at the work site during non-duty hours. Brush cleaning shall be performed outside of an enclosed structure.

4.3. If paint or other liquid is spilled on the hardwood or tile floors, it shall be thoroughly removed. If the floor is damaged or if the wax or sealer on the floor is removed or damaged by the Contractor during his operation, the Contractor shall restore the floor and/or restore the finish, as necessary, as directed by the Contracting Officer at no additional cost to the Government. No additional time shall be added to the period allowed for completion of work in paragraph 3.3.1 for work done pursuant to this paragraph.

4.4. The Contractor shall remove any paint (old or new) on door hardware, light fixtures and telephone jacks. At the Contractor's option, and expense, he may replace the door hardware and light fixtures with like items approved by the Contracting Officer.

4.5. Upon completion of painting and before the final inspection, the Contractor shall clean the interior of the quarters, including interior surfaces of all windows.

4.6. All cloths and cotton waste shall be removed from the quarters at the end of each workday.

5. FIRE PROTECTION:

5.1. The Contractor shall submit to the Contracting Officer, manufacturer's notarized statements certifying the flashpoint of their products.

5.2. In the event any material used has a flashpoint below 100 degrees Fahrenheit, the Contractor shall turn off all pilot lights on furnaces, ranges and hot water heaters within the buildings during the operations. The Contractor shall re-light the pilot lights after the product has dried and prior to the acceptance inspection.

5.3. A product thinned with a highly volatile material that reduces the flashpoint of the product below 100 degrees Fahrenheit shall be treated as a product having a flashpoint below 100 degrees Fahrenheit.

5.4. Windows and doors shall be kept sufficiently open to provide adequate and safe ventilation during painting operations.

5.5. Smoking is prohibited within quarters.

6. DEFINITION OF UNITS AND TERMS:

6.1. Square Feet: A square foot (SF) of lumber or painted surface shall be measured on the actual square foot of finished surface installed or painted.

6.2. Board Feet: A board foot (BF) of lumber shall be a measure using nominal dimensions of twelve inches wide by twelve inches long by one-inch thick (12" x 12" x 1").

6.3. Square: A square shall be measured on the actual surface painted (Area 10' x 10' or 100 square feet).

6.4. Full Paint: Painting all surfaces described in the PAINT SCHEDULE for all rooms in a set of Quarters with exceptions. Exceptions are furnace rooms, storage rooms off kitchens, storage rooms under stairways except for Type "I" quarters, storage rooms with unfinished floors in Type "P" and "PX" quarters, and second floor bulk storage rooms in Type "W" quarters. Also included in "full paints" are all exterior doors and kitchen cabinets. Refer to Section 09900, paragraphs 19 and 20 for measurement and payment of these two items.

6.5. Partial Paint: A partial paint shall consist of painting specific areas in a set of quarters as directed by the Contracting Officer. These areas will be painted in accordance with the requirements of the PAINT SCHEDULE as shown in SECTION 09900. Payment for partial painting shall be made at the applicable Task item per square for areas actually painted.

7. APPLICABLE PUBLICATIONS: The publications referenced in these specifications shall be the most recent at the time of issuance of the solicitation, unless otherwise specified at the beginning of the section under paragraph 1, APPLICABLE PUBLICATIONS.

8. QUALITY CONTROL: Prior to commencing work, the Contractor shall establish a Quality Control Plan (QCP) to assure contract compliance. A copy of the QCP shall be provided to the Contracting Officer at the pre-construction conference. The QCP, including changes, shall be subject to the approval of the Contracting Officer. The QCP shall include the following general features:

8.1. Communications: The Contractor shall provide DPW Contract Inspection Branch with either two (2) radios (one for the Inspector and one for the Inspection Branch Office) or a cellular telephone to be used to communicate with the Project Superintendent at any time during the performance of the work. If a cellular telephone is provided, it shall have a local number (i.e. 573-336-XXXX or 573-774-XXXX) with the Government anticipating a monthly use of approximately 1500 peak-time minutes.

8.2. Inspection System: An inspection system covering the services as stated herein. The plan shall specify areas to be inspected on either a scheduled or unscheduled basis and the name and title of the individual who shall do the inspection.

8.3. Identification of Deficiencies: A method of identifying deficiencies in the quality of work performed prior to the level of performance becoming unsatisfactory. The Contractor shall not rely on Government direction in correcting discovered deficiencies, but shall identify and

correct problem areas on its own. The Contractor shall be required to inspect each set of Quarters, make a list of deficiencies, and present the list showing corrective action to the Government Inspector at the time of the joint inspection specified in Paragraph 3.3.2. The Quarters will not be deemed ready for inspection until the Contractor QC person has verified that all deficiencies on their list have been completed/repared. Records shall be kept of identified deficiencies and the solutions to those deficiencies. The communication methods described in paragraph 8.1 shall include corrective action reporting. Short-term remedial actions and long term solutions shall be described in the corrective action report. All inspection documents shall be made available to the Government upon request.

9. DISPOSAL OF MATERIALS: All materials removed and not reused designated as salvage material, or as otherwise specified in this project shall become the property of the Contractor and shall be the Contractor's responsibility for lawful disposal.

9.1. The disposal of demolition waste is regulated by the Missouri Department of Natural Resources under Chapter 260, Revised Statutes of Missouri, and 10 Code of State Regulations Chapter 80-4. Such waste, in types and quantities established by the Department shall be taken to a demolition landfill or a sanitary landfill for disposal. The Contractor shall provide any information requested by the landfill operator to complete forms required by the Missouri Department of Natural Resources or other Government-required landfill records.

9.2. The Contractor may use the Fort Leonard Wood Compost area for the disposal of wood chips, leaves, and grass clippings generated by this project. In addition, a site will be available on Fort Leonard Wood for disposal of concrete, rock, asphalt, and soil. All other wastes generated during Contractor operations shall be legally disposed off post by the Contractor at his/her expense.

9.3. All waste classified as hazardous waste pursuant to the Resources Conservation and Recovery Act must be reported to the Contracting Officer and the Installation Environmental Coordinator prior to disposal action. The Contractor shall provide all documentation required by the Missouri Department of Natural Resources and the DPW Environmental Office [(573) 596-6100] and assist in the preparation of any forms/reports required by law. All hazardous wastes shall be disposed of off the installation in a manner fully compliant with all applicable Missouri and federal laws and regulations.

10. CONTRACTOR PERSONNEL:

10.1 Contractor Personnel. The Contractor shall be responsible for selecting and staffing personnel who are well qualified to perform the required work. No personnel will be utilized to perform the work of any wage classification required to perform the tasks called for by the contract who does not possess the necessary training and experience required to qualify as a journeyman in the particular occupational classifications the work is associated with in the local area (Missouri).

10.2 Apprentices and Trainees. A limited number of apprentices and trainees may be

utilized to perform contract requirements to the extent permitted by FAR 52.222-9 and the regulations cited therein.

10.3 Qualifications. Unless another standard is required by law or specified elsewhere in the specifications for a particular occupational classification, the standard to be applied in determining an individuals qualifications to perform at the journeyman level shall be as follows: A journeyman is an individual who has been performing work in a particular building trade for at least four years under the supervision of a master. A master is defined as an individual who has at least four years of satisfactory experience as a journeyman in a particular building trade.

11. MISCELLANEOUS REQUIREMENTS: The Contractor shall provide a Microsoft Excel spreadsheet file (provided via electronic mail or on 3-1/2 floppy disk) with each payment request. The spreadsheet shall indicate all tasks performed by Family Housing address with work acceptance date, shall sum the total tasks performed for the performance period, and calculate the costs. Spreadsheets summarizing the final costs for each delivery order shall also be provided. A copy of the spreadsheet format shall be provided to the Government for approval prior to use.

SECTION 01300
SUBMITTALS

1. GENERAL: All items of equipment and/or materials that are defined or described in the contract require submission in accordance with this section. Brochures, samples, certificates of compliance and test reports, as applicable, shall be submitted by the Contractor to the Contracting Officer and approval given by the Contracting Officer before that item of equipment or material is installed under this contract.

1.1. All of the data required shall be submitted at one time. Approval of materials, equipment, and methods, shall be withheld until all of the required information has been submitted and is in the hands of the Contracting Officer. All submissions must be in sufficient detail to adequately determine that the item will meet the requirements of the specifications.

1.2. All submittals shall be transmitted to the Contracting Officer for review and approval within 30 calendar days after contract award date on Engineer Form 4025 in quadruplicate. The forms shall be completed as directed. No submittal will be accepted unless it is on the subject form. The Government will furnish the Contractor the forms. All attachments to the transmittal form, such as catalog cuts, brochures, certifications, etc., shall be submitted in four (4) copies.

1.3. The Contractor shall complete and submit to the Contracting Officer, for approval, four (4) copies of ENG Form 4288 SUBMITTAL REGISTER. At a minimum, the submittal register shall include a listing of all items listed in paragraph 2 of this section. This submittal register shall be provided with the initial set of submittals the Contractor submits for approval. The Government will furnish the Contractor the ENG Forms 4288. This register will be maintained by the Government to insure that all required items are submitted and approved IAW the contract requirements.

1.4. Scheduling: A minimum of fourteen (14) calendar days will be scheduled for review and approval of submittals and possible re-submittal of any items subject to approval. For shop-drawings submittals, a minimum of twenty-one (21) calendar days will be allowed for review and approval and possible re-submittal. Unless otherwise specified in the contract, the Notice to Proceed with performance will be issued within fifty (50) calendar days after contract award date. If shop drawings are required, Notice to Proceed with performance will be issued within sixty (60) calendar days after contract award date. The scheduling shall be coordinated with the approved progress schedule.

2. SUBMITTAL APPROVAL: At a minimum, the following list of materials and methods will require approval under the Contract Clause, FAR 52.236-5, entitled Material and Workmanship. The Contracting Officer may require additional submittals as deemed necessary. If submittal of additional items is required, a revised ENG Form 4288, SUBMITTAL REGISTER, shall be prepared by the Contractor and submitted with the additional submittals. The Contractor shall not proceed with work using materials and methods that are subject to approval, until they are approved.

2.1. Materials and methods requiring approval:

- 2.1.1. Demolition Plan
- 2.1.2. Quality Control Plan
- 2.1.3. Lead-Based Paint Removal Plan
- 2.1.4. Resilient Floor Covering Removal Plan
- 2.1.5. Vinyl Asbestos Floor Tile Removal Plan
- 2.1.6. All Paints, Primers and Varnishes
- 2.1.7. Gypsum Wallboard
- 2.1.8. Vinyl Wall Covering
- 2.1.9. Hardwood Flooring
- 2.1.10. Wood filler
- 2.1.11. Stair Riser and Tread
- 2.1.12. Oak Handrail
- 2.1.13. All Types of Wood Trim
- 2.1.14. All Doors and Frames, interior and exterior
- 2.1.15. All Types of Door Hardware
- 2.1.16. Storm Doors and Closures
- 2.1.17. Sample Cabinet Doors and Drawers
- 2.1.18. Medicine Cabinets - Types R and S
- 2.1.19. Countertops
- 2.1.20. Kitchen Sink and Faucets
- 2.1.21. Bathroom Vanity, Lavatory, Faucets, Stopper and Drain
- 2.1.22. Commodes, Supply Line, Shut Off Valve and Flush Valve
- 2.1.23. Bath Tubs, Stoppers and Faucets
- 2.1.24. Shower Enclosures, Doors, Faucets, Surrounds and Heads
- 2.1.25. All Light Fixtures
- 2.1.26. Replacement Ceiling Tile
- 2.1.27. Sample Ceramic Floor and Wall Tile and Adhesives
- 2.1.28. 1/4-Inch Plywood Underlayment
- 2.1.29. Vinyl Floor Covering and Adhesive
- 2.1.30. Vinyl Base
- 2.1.31. Fiberglass Batt Insulation
- 2.1.32. Aluminum Edgings for VCT and Sheet Vinyl Flooring
- 2.1.33. Structural Lumber and Fasteners
- 2.1.34. Electrical Materials
- 2.1.35. Dryer Vent Clean-out, Hood
- 2.1.36. Caulks and Sealants
- 2.1.37. Garbage Disposal
- 2.1.38. Window screen material to include frame, mesh and assembly parts.

SECTION 02050

DEMOLITION

1. GENERAL. The work includes demolition or removal of all construction indicated or specified. All materials resulting from demolition work, except as indicated or specified otherwise, shall become the property of the Contractor and shall be removed. Rubbish and debris shall be removed from the work site daily unless otherwise directed so that the Contractor does not allow accumulation inside or outside the building. Materials that cannot be removed daily shall be stored in areas specified by the Contracting Officer.

1.1. SUBMITTALS: The procedures proposed for the accomplishment of demolition work shall be submitted for approval IAW SECTION 1300. The procedures shall provide for safe conduct of the work, protection of property that is to remain undisturbed, and coordination with other work in progress. The procedures shall include a detailed description of the methods and equipment to be used for each operation and the sequence of operations.

1.2. DUST CONTROL: The amount of dust resulting from demolition shall be controlled to prevent the spread of dust to avoid creation of a nuisance in the surrounding area. Use of water will not be permitted when it will result in or create hazardous or objectionable conditions such as ice, flooding and pollution.

1.3. PROTECTION OF EXISTING WORK: Before beginning any cutting or demolition work, the Contractor shall carefully survey the existing work to determine the extent of the work required. The Contractor shall take all necessary precautions to insure against damage to existing work to remain in place, to be reused, or to remain the property of the Government. Any damage to such work shall be repaired or replaced as approved by the Contracting Officer at no additional cost to the Government.

2. PRODUCTS. Not Used.

3. EXECUTION.

3.1. DEMOLITION REQUIREMENTS:

3.1.1. Removing existing non-asbestos floor covering for installation of 1/4" plywood underlayment: Existing non-asbestos floor covering of all types shall be removed to the level of the original floor underlayment. All surfaces shall be cleaned and prepared for installation of the new 1/4" plywood underlayment. Payment for removal of existing flooring and preparation of surfaces for installation of new underlayment shall be included in the Task item for removing existing non-asbestos flooring and installing 1/4" plywood underlayment and no additional payment will be made for this work.

3.1.2. Removal of recessed light fixtures to be replaced with new surface mounted light fixtures: Existing recessed fixtures shall be removed complete with wiring back to the junction box. New wiring, junction box and surface mounted fixture shall be installed IAW SECTION 16500. Payment for removal of the existing light fixture and preparation for installation of new surface mounted fixture shall be as per the applicable Task item.

3.1.3. Removal of nails protruding from the wall or ceiling: Nails shall be removed and replaced with drywall screws as required to bring wallboard in contact with structural framing members. Damaged areas shall be repaired IAW SECTION 09250 and painted IAW SECTION 09900. Payment for removal of nails, replacing with drywall screws and patching and

finishing of areas shall be included in the applicable unit Task item for repairs and painting and no additional payment will be made for this work.

3.1.4. Removal of existing wall coverings: Where new vinyl wall covering is to be installed, all existing wall coverings (i.e. wallpaper, paneling, etc.) shall be removed to the gypsum wallboard surface and the areas shall be patched and prepared for installation of new wall covering as required. Payment for removal of wall coverings and patching of wall areas for installation of new wall covering shall be included in the applicable unit Task item for replacement of vinyl wall covering and no additional payment will be made for this work.

3.1.5. Damaged or deteriorated hardwood flooring shall be removed to the original sub-floor in areas as directed by the Contracting Officer. Demolition of hardwood flooring may involve removal and reinstallation of gas or electric hot water heaters. Payment for removal and reinstallation of water heaters shall be included in the Task item for replacement of damaged or deteriorated hardwood flooring and no additional payment will be made for this work.

3.1.6. Removal of damaged or deteriorated sub-flooring: Sub-flooring shall be removed to the surface of the structural floor joist in areas as directed by the Contracting Officer. Demolition of sub-floor in furnace rooms may involve removal and reinstallation of gas or electric hot water heaters. Payment for removal and reinstallation of hot water heaters shall be included in the Task item for replacement of deteriorated sub-flooring and no additional payment will be made for this work.

3.1.7. Removal of damaged gypsum board: Areas of damaged gypsum board shall be removed as directed by the Contracting Officer. Gypsum wallboard and all existing wall coverings, paneling, etc. shall be removed to the structural framing-members and surfaces prepared for installation of new gypsum board. Payment for removal of gypsum board and any wall coverings shall be included in the applicable unit Task item for removal and installation of gypsum wallboard and no additional payment will be made for this work.

3.1.8. Removal of trim: Trim shall be removed in locations where directed by the Contracting Officer. Trim shall be removed to the closest complete section. Unless otherwise specified, payment for removal of defective trim shall be included in the Task item for replacing miscellaneous wood trim or removal of lead-based painted trim, as applicable.

3.1.8.1. Payment for removal of base shoe or existing four inch (4") vinyl base where new sheet vinyl flooring or vinyl composition tile is to be installed shall be included in the applicable unit Task item for installation of new sheet vinyl floor covering or vinyl composition tile.

3.1.8.2. Payment for removal of base shoe where hardwood floors are to be refinished shall be included in the Task item for refinishing hardwood floors.

3.1.8.3. Payment for removal of door trim and sill plates for doors to receive new frames and trim shall be included in the applicable unit Task item for replacing the doorframe.

3.1.9. Removal of handrail: Handrail shall be removed to the nearest complete section in locations where directed by the Contracting Officer. Payment for removal of handrail shall be included in the Task item for replacing handrail and no additional payment will be made for this work.

3.1.10. Removal of doors and frames to be replaced: Existing doors and frames to be replaced shall be removed in a manner to prevent damage to adjacent surfaces. All door hardware shall be removed from doors to be replaced and reinstalled on the new door. If hardware is unable to be reused, new hardware shall be installed IAW the applicable Task item for the type of hardware to be replaced. Special care shall be taken when replacing doorframes to prevent damage to siding and wall areas around doors. Any damaged areas shall be repaired to the satisfaction of the Contracting Officer. Payment for removal of doors and/or frames, and hardware shall be included in the applicable Task item for the item to be installed and no additional payment will be made for this work.

3.1.11. Removal of lead-based painted window casings, window trim, wall base and shoe mold, and exterior door, jamb, trim and threshold: Removal of lead-based painted items shall be IAW 29 CFR Part 1926 and the applicable task item. Removed lead-based painted material shall be disposed in a Government approved landfill. A copy of all documentation associated with disposal shall be forwarded to the Contracting Officer. The Contractor shall submit a "Lead-Based Paint Removal Plan" prior to commencement of work. This plan shall detail all aspects of their proposed removal, handling and disposal procedures, to include worker protection. Payment for this work shall be included in the applicable Task item for removal of lead-based painted material and no additional payment will be made for this work.

3.1.12. Remove, containerize and dispose of vinyl-asbestos floor tile (VAT) for installation of 1/4" plywood underlayment: The Contractor shall thoroughly wet the VAT prior to removal. The Contractor shall not grind, saw, crumble, scrape or otherwise remove the tile in a manner that creates dust. All surfaces shall be cleaned and prepared for installation of the new 1/4" plywood underlayment. Immediately upon removal of the floor tile from the floor surface, the Contractor shall place the material in approved containers/bags. The Contractor shall affix a proper asbestos caution label to each container/bag and shall dispose of this material in a Government approved landfill. A copy of all documentation associated with disposal of VAT shall be forwarded to the Contracting Officer. The Contractor shall submit a "Vinyl Asbestos Floor Tile Removal Plan" prior to commencement of work. This plan shall detail all aspects of their proposed removal, handling and disposal procedures, to include worker protection. Employees of the Contractor shall have a minimum of 16 hours of asbestos training by a person certified with the State of Missouri as an asbestos abatement supervisor. The Contractor shall provide documentation showing proof of training for each employee associated with the removal of asbestos as well as the trainer's State certification. Payment for this work shall be included in the Task item for removal of VAT and installation of 1/4" plywood underlayment and no additional payment will be made for this work. The Contractor will only be paid for the area of the floor space and no additional payment will be made for additional layers (up to and including 3 layers).

3.1.13. Exhaust Fan Removal: The Contractor shall completely remove existing fan and wiring from the housing. The existing wiring to the fan may be abandoned in place. The

wiring shall be disconnected at the first junction box location back along the circuit. All wiring to the fan shall be de-energized. Under no circumstances shall energized wires be terminated outside of an approved box, or any connections inaccessible. All work shall be performed IAW NFPA 70, National Electric Code. The opening shall be repaired IAW Section 06100. Payment for all work required to remove the fan shall be included in the unit Task item for removing exhaust fan and repair opening, and no additional payment will be made for this work.

3.1.14. Asbestos Containing Sheet-Vinyl Flooring Removal: Sheet vinyl floor covering with asbestos paper backing (resilient floor covering) must not be removed separately from the sub-flooring. All affected sub-flooring will be removed with the resilient floor covering remaining attached and abatement procedures will be conducted in accordance with 29 CFR 1926.1101. The contractor will sufficiently wet the floor covering prior to removal of the sub-flooring. The contractor shall not grind, saw, crumble, scrape or otherwise remove the sub-flooring with attached resilient floor covering in a manner that creates emissions. All criticals (doors and HVAC ducts and grills) shall be sealed and the HVAC system turned off, if feasible. The sub-flooring will be removed in a manner that will create minimal disturbance to the resilient floor covering. Immediately upon removal of the sub-flooring with the resilient floor covering attached, the Contractor shall place the material in approved containers/bags or wrap in 6-mil polyethylene sheets. Proper asbestos caution labels shall be affixed to each container or bag. The Contractor shall dispose of the material in an approved landfill. A copy of all documentation associated with disposal of the material shall be forwarded to the Contracting Officer. The Contractor shall submit a "Resilient Floor Covering Removal Plan" prior to commencement of work. This plan shall detail all aspects of their proposed removal, handling and disposal procedures, to include worker protection. Employees of the Contractor shall have a minimum of 16 hours of asbestos training by a person certified with the State of Missouri as an asbestos abatement supervisor. The Contractor shall provide documentation showing proof of training for each employee associated with the removal of asbestos as well as the trainer's State certification.

3.2. DISPOSITION OF MATERIALS: Unless otherwise specified, title to all materials to be demolished is vested in the Contractor. The Government will not be responsible for the condition, loss or damage to such property.

3.3. CLEAN-UP:

3.3.1. Debris and Rubbish: Debris and rubbish shall be removed from the work site and adjacent areas.

3.3.2. Debris Control: Debris shall be removed and transported in a manner to prevent spillage on streets or adjacent areas.

3.3.3. Disposal: All refuse shall be disposed of IAW SECTION 01010 of these specifications.

SECTION 06100

ROUGH CARPENTRY

1. GENERAL

1.1. APPLICABLE PUBLICATIONS: The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

1.1.1. Federal Specifications (Fed. Spec.):

FF-N-105B	Nails, Brads, Staples and Spikes:
Notice 1	Wire, Cut and Wrought
HH-I-521F	Insulation Blankets, Thermal (Mineral Fiber, for Ambient Temperatures)

1.1.2. U. S. Department of Commerce, National Bureau of Standards, Product Standards (Prod. Std.):

S 20-70	American Softwood Lumber Standard
Am-1	Amended 1986

1.1.3. National Forest Products Associations (NFPA) Publications:

National Design Specification for Wood Construction (1986; &
Jan 1986 Suppl)

Manual for House-Framing (1961)

1.1.4. National Fire Protection Association (NFPA) Publication:

No. 70	National Electrical Code
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1.1.5. Northeastern Lumber Manufacturers Association, Inc. (NELMA) Publication:

Standard Grading Rules for Northeastern Lumber (Revised 1980)

1.1.6. Northern Hardwood and Pine Manufacturers Association, Inc. (NHPMA)
Publication:

Standard Grading Rules for Northern and Eastern Lumber
(Dec 1978; Rev Mar 10, 1982)

1.1.7. Southern Pine Inspection Bureau (SPIB) Publication:

Grading Rules (Mar 15, 1977; incl Suppl 1 thru 12)

1.1.8. West Coast Lumber Inspection Bureau (WCLB) Standard:

No. 16

Standard Grading and Dressing Rules for Douglas Fir,
Western Hemlock, Western Red Cedar, White Fir, Sitka
Spruce Lumber (Sep 1, 1970; Rev 1983; Supplement XIV)

1.1.9. Western Wood Products Association (WWPA) Publication:

Western Lumber Grading Rules (Jun 1, 1981; Suppl 1,
Mar 12, 1982; Suppl 2, Jan 1, 1983)

1.2. GENERAL REQUIREMENTS:

1.2.1. Grading and Marking: Materials shall bear the grademark, stamp or other identifying marks indicating grades of material and rules or standards under which produced. Such identifying marks on material shall be IAW the rule or standard under which the material is produced, including requirements for qualifications and authority of the inspection organization, usage of authorized identification and information included in the identification. The Inspection Agency for lumber shall be certified by the Board of Review, American Lumber Standards Committee to grade species used. Except for plywood and lumber, bundle marking or certificates will be permitted in lieu of marking each individual piece.

1.2.2. Sizes: Lumber sizes shall conform to Prod. Std. PS 20, and unless otherwise specified, lumber shall be surfaced on four (4) sides. Sizes for materials other than lumber shall conform to requirements of the rules or standards under which produced. Size references, unless otherwise specified, are nominal sizes and actual sizes shall be within manufacturing tolerances allowed by the standard under which the product is produced.

1.2.3. Moisture Content: At the time lumber and other materials are delivered and when installed in the work their moisture content shall be as follows:

1.2.3.1. Treated and Untreated Lumber: Nineteen percent (19%) maximum.

1.2.3.2. Materials Other Than Lumber: IAW standard under which product is produced.

1.3. DELIVERY AND STORAGE: Materials shall be delivered to the site in undamaged condition, stored in fully covered, well-ventilated areas and protected from extreme changes in temperature and humidity.

2. PRODUCTS: Materials shall conform to the following requirements:

2.1. Accessories and Nails:

2.1.1. Bolts (Lag and Toggle) and Miscellaneous Bolts and Screws: Type, size and finish best suited for intended use.

2.1.2. Nails and Staples: Size and type best suited for purpose, IAW Fed. Spec. FF-N-105 when applicable to type used. In general, 8-penny or larger nails shall be used for nailing through one-inch (1") thick lumber and for toe nailing two-inch (2") thick lumber; 16-penny or larger nails shall be used for nailing through two-inch (2") thick lumber.

2.2. Structural and Miscellaneous Wood Members:

2.2.1. Structural Members: Floor joists, floor joist bridging and blocking, headers, and any other structural members to be replaced shall be similar in dimension to existing members and shall be No. 2 grade.

2.2.2. Non-stress Graded Members: Members shall include plates, caps, bucks, studs, nailers, sleepers and grounds. Members shall be standard grade or No. 2 grade except studs may be stud grade. Non-stress member grades shall conform to the National Grading Rule for Dimension Lumber established in conformance with Prod. Std. PS 20 and as applied in individual grading rules of applicable grading agencies. For species graded under other grading rules, grade used shall be equivalent to grades outlined above. Sizes shall be as follows unless otherwise shown:

<u>Member</u>	<u>Size (inches)</u>
Blocking	2 by 4 (2" x 4") or such larger size as required when applied between framing members; smaller sizes when approved for a specific use.
Studs	2 by 4 (2" x 4").

2.2.3. Sub-flooring: Plywood sub-flooring shall be Grade C-D with exterior glue for reception of underlayment or wood flooring; underlayment grade with exterior glue, or C-C (plugged) exterior grade for use as a combination sub-floor/underlayment under resilient flooring. Minimum span rating for sub-flooring shall be 24/16 for supports 16 inches on center, and 48/24 for supports 24 inches on center. Minimum span rating for combination sub-floor/underlayment shall be 16 OC for supports 16 inches on center and 24 OC for supports at 24 inches on center.

2.3. Gypsum Board: IAW SECTION 09250.

2.4. Wood: Species and grade shall be IAW TABLE 1 at the end of this section, square edged.

2.5. BATT OR BLANKET INSULATION: Mineral fiber, Fed. Spec. HH-I-521, Type II, Class C, width as required for wood construction. Insulation thickness shall be as required to achieve the applicable "R" factor.

2.6. PRESERVATIVE TREATMENT: All wood members in contact with foundation walls or slabs-on-grade shall be treated with water-borne preservatives, air-dried or kiln-dried to the moisture content specified for lumber and marked with the word "DRY". Creosote or coal/tar solutions shall not be used. All wood members in contact with concrete shall be pressure preservative treated.

3. EXECUTION.

3.1. INSTALLATION OF FRAMING AND MISCELLANEOUS WOOD MEMBERS:

3.1.1. General: Members shall be closely fitted, accurately set to required lines and levels and rigidly secured in place. Nailing shall be IAW the Recommended Nailing Schedule as contained in NFPA Manual for House Framing. Where detailed nailing requirements are not specified, nail size and nail spacing shall be sufficient to develop an adequate strength for the connection without splitting the members. Members shall be cut, notched or bored IAW applicable requirements of the NFPA Manual for House Framing.

3.1.2. Bridging: Wood bridging shall have ends accurately bevel-cut to afford firm contact and shall be nailed at each end with two nails. The lower ends of bridging shall be driven up tight and secured after sub-flooring has been laid.

3.1.3. Blocking: Blocking shall be provided as necessary for application of sub-flooring and gypsum wallboard, and to provide fire stopping. Blocking shall be cut to fit between framing members and rigidly nailed thereto.

3.1.4. Sub-flooring: Sub-flooring shall be applied with long dimension at right angles to the supports, with edges 1/8 inch apart at side and end joints, and nailed at supported edges 6 inches on center and at intermediate supports 12 inches on center. Where finish flooring or different thickness is used in adjoining areas, wood strips of the thickness required to bring the finish flooring surfaces into the same plane shall be used under the plywood sub-floor.

3.2. INSTALLATION OF INSULATION: Insulation shall be installed only when construction has advanced to the point that remaining construction operations will not damage the insulation. Insulation shall be installed between framing members and insulation with facings shall be secured to the sides of the framing members to provide a continuous seal and so that the entire weight of the insulation will be carried by the framing members.

3.3. EXHAUST FAN OPENING REPAIR: The Contractor shall repair openings where exhaust fans were removed by installing R-11 fiberglass batt insulation in opening, installing gypsum board on interior surface, taping and sanding joints, and painting IAW SECTION 09900. Repairs to the exterior wall area will include installing #2 yellow pine sheathing over the exhaust fan opening, and installing new siding to match the existing siding. Payment for all work required to install fiberglass insulation, patch and paint the interior surface, and sheath and side the exterior surface, as well as any other miscellaneous work required to provide a finished product, shall be included in the unit task item for removing exhaust fan and repair opening.

3.4. REPLACE STAIR RISER OR TREADS: On quarters requiring this work, all stair tread and risers replaced shall be installed to match existing size, type and finish as approved by the Contracting Officer. Flooring shall be installed IAW SECTION 09550 and the flooring manufacturer's recommendations. Stair treads shall be one-piece.

3.5. INSTALLATION OF NEW DISHWASHERS: The Contractor shall provide and install Frigidaire Model # MBD122RFS dishwashers in style D and E quarters. Dishwashers shall be installed in existing cabinets per manufacturer's recommendations adjacent to sink on the opposite side of the kitchen from the range. The Contractor shall remove the cabinet between

the sink and the pantry cabinet. The vent at the base of the cabinet shall be relocated to the same general area of the sink cabinet and shall be accomplished using existing or matching vent cover and metal duct matching existing ductwork. The contractor shall install specified dishwasher and a cabinet sized to fit opening between dishwasher and pantry cabinet. The cabinet shall have four drawers and match existing cabinets in construction, paint, height, and hardware (existing drawer knobs may be reused on new cabinet). Dishwasher supply shall be copper tied into hot water supply line under sink using compression fittings and have a dedicated shut-off valve. Dishwasher drain shall be tied into garbage disposal under sink requiring the garbage disposal knockout to be removed. Electric shall consist of a 12-2 conductor with ground run in the crawl space (attached to floor joists) to a new Cutler Hammer 20 Amp SWD breaker installed in vacant slot in breaker box. Panel location shall be properly labeled. All other related contract specifications shall apply.

TABLE 1 "SPECIES AND GRADE"

<u>Grading Rules</u>	<u>Species</u>	<u>Standard</u>	<u>Const. Comm</u>	<u>No. 2 Board</u>	<u>No. 2 Comm</u>	<u>No. 3</u>
NELMA	Eastern White Pine	X				
	Northern Pine	X				
NHPMA	Eastern White Pine					X
	Northern Pine					X
SPIB	Southern Pine			X		
WCLB	Douglas Fir-Larch	X				
	Hem-Fir	X				
	Western Cedar	X				
WWPA	Douglas Fir-Larch					X
	Hem-Fir					X
	Idaho White Pine					X
	Lodgepole Pine					X
	Ponderosa Pine					X
	Douglas Fir South					X
	Western Cedar					X

3.6. RENOVATE BATHROOM #2 IN TYPE "W" QUARTERS: The Contractor shall demo all existing wall, ceiling and floor surfaces with exception of front wall (wall with door), which shall include ceramic tile shower, lead shower pan, plaster on walls and ceilings, wing wall (including structural lumber), vinyl floor, wall base, etc. Contractor shall replace structural lumber under floor as needed for installation of new sub floor and shower pan. Contractor shall install new 3/4" plywood sub floor and whatever other plywood needed to raise floor under shower to match that in the rest of the bathroom (1/2" plywood 1/4" underlayment was needed in test house). Contractor shall frame front wall (wall with faucet) of shower to match size of new shower pan and hang & finish new water resistant 1/2" sheetrock (green board) on all walls and ceiling. Contractor shall install new 48" x 34" plastic shower pan and 1/8" thick plastic shower wall kit with corner channels back-caulked during installation. Shower kit shall extend from shower pan to ceiling. Contractor shall move/replace drain line as needed to match up with new shower pan and install new chrome colored shower drain kit. Contractor shall install new faucet matching those currently being installed in showers under this contract. Contractor shall paint all exposed wall surfaces per Section 09900 of contract specifications. Contractor shall install new vinyl flooring and new wood baseboard to match existing. Contractor shall install carpet bar where vinyl floor meets the shower pan, back-caulking the carpet bar prior to installation. Contractor shall install a chrome colored, spring loaded, removable shower curtain rod inside shower enclosure. Contractor shall install chrome colored toilet paper holder screwed to wall behind/adjacent to toilet. Contractor shall construct dust curtain when working in occupied quarters for this work. Contractor shall follow all other applicable sections of this contract while accomplishing this work.

SECTION 06200

FINISH CARPENTRY

1. GENERAL

1.1. APPLICABLE PUBLICATIONS: The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

1.1.1. American National Standards Institute (ANSI) Publication:

- | | |
|--------|--|
| A156.9 | Cabinet Hardware |
| A161.2 | Performance Standards for
Fabricated High Pressure Decorative
Laminate Countertops |

1.1.2. National Electrical Manufacturer's Association (NEMA):

- | | |
|------|--|
| LD-3 | Standards for Laminated
Thermosetting Decorative Sheets |
|------|--|

1.1.3. Architectural Woodwork Institute (AWI) Publication:

- Architectural Woodwork Quality Standards, Guide
Specifications and Quality Certification Program

1.1.4. Federal Specification (Fed. Spec.):

- | | |
|-----------------------|---|
| FF-N-105B
Notice 1 | Nails, Brads, Staples and
Spikes; Wire Cut and Wrought |
| MMM-A-181D | Adhesive, Phenol, Resorcinol or
Melamine Base |

1.1.5. U. S. Department of Commerce, National Bureau of Standards, Product Standards (Prod. Std.):

- | | |
|--------------------|---|
| PS 1-83 | Construction and Industrial Plywood |
| PS 20-70
& Am-1 | American Softwood Lumber Standard
Amended 1986 |

1.1.6. Southern Pine Inspection Bureau (SPIB) Publication:

- Grading Rules (Mar 15, 1977; incl Suppl 1 thru 12)

1.1.7. West Coast Lumber Inspection Bureau (WCLB) Pub:

- | | |
|--------|---|
| No. 16 | Standard Grading and Dressing Rules
for Douglas Fir, Western Hemlock,
Western Red Cedar, White Fir, Sitka |
|--------|---|

Spruce Lumber (Sep 1, 1970; Rev
1983; Supplement XIV)

1.1.8. Western Wood Products Association (WWPA) Publication:

Western Lumber Grading Rules (Jun 1, 1981; Suppl 1,
Mar 12, 1982; Suppl 2, Jan 1, 1983)

1.2. GENERAL REQUIREMENTS:

1.2.1. Grading and Marking: Materials shall bear the grademark, stamp or other identifying marks indicating grades of material and rules or standards under which produced. Such identifying marks on a material shall be IAW the rule or standard under which the material is produced including requirements for qualifications and authority of the inspection organization, usage of authorized identification and information included in the identification. The lumber inspection agency shall be certified by the Board of Review of the American Lumber Standards Committee to grade the species used.

1.2.2. Sizes and Patterns: Lumber sizes and patterns shall conform to Prod. Std. PS 20, and unless otherwise specified, shall be surfaced on four sides. Sizes and patterns for materials other than lumber shall conform to requirements of the rules or standards under which produced. Size references, unless otherwise specified, are nominal sizes and actual sizes shall be within manufacturing tolerances allowed by the standard under which the product is produced.

1.2.3. Moisture Content: The maximum moisture content of treated and untreated trim and wood shall be twelve percent (12%) at the time of delivery to the job site and when installed. Moisture content of all other materials shall be IAW the standard under which the product is produced.

1.3. SUBMITTALS:

1.3.1. Shop Drawings: Shop drawings of countertops, cabinet doors and drawers, woodwork items such as stair treads, and risers and oak handrails shall be submitted for approval IAW SECTION 01300. Shop drawings shall indicate materials and details of construction, methods of fastening and erection and installation details.

1.3.2. Samples and Descriptive Data: Samples and descriptive data shall be submitted for approval. Samples and descriptive data of plastic laminate, kitchen cabinet and bathroom vanity countertops, kitchen and bathroom cabinet doors and drawers and cabinet hardware shall be submitted for approval. Samples and descriptive data of all types of required shaped or molded trim shall be submitted for approval. Samples shall be of sufficient size to show pattern and type, as applicable.

1.4. DELIVERY AND STORAGE: Materials shall be delivered to the site in undamaged condition, stored in fully covered areas and protected from extreme changes in temperature and humidity.

1.5. FIELD DIMENSIONS: The Contractor shall be responsible for all details and field dimensions.

2. PRODUCTS.

2.1. Nails: Nails shall be the size and type best suited for the project requirements, hot-dip galvanized or aluminum for exterior use, IAW Fed. Spec. FF-N-105 when applicable.

2.2. Trim: Trim shall be species and grade IAW SPECIES AND GRADE TABLE at end of this section. Design shall match the trim to be replaced as closely as possible. Patterns shall be IAW grading rules for species for such items as door and window casings and baseboards. Trim shall be assembled and sanded at the mill insofar as practicable in maximum practicable lengths. Finger joints are not permitted.

2.3. Cabinet and Countertops: Kitchen and bathroom cabinet doors and drawers shall conform to AWI SECTION 400B for Quality Standard. Kitchen and bathroom vanity countertops shall conform to the standards set forth in ANSI A161.2. Provide cabinets and countertops of custom quality standards. Countertops shall be installed in full-length sections to the maximum extent possible. Splicing shall be kept to a minimum.

2.3.1. Kitchen countertops shall be preformed, plastic laminate countertops with four-inch (4") high back-splash. Length and width of countertops shall match the countertop to be replaced.

2.3.2. Bathroom vanity countertops shall be preformed, plastic laminate countertops with four-inch (4") high back-splash. Length and width of countertops shall match the existing countertop to be replaced.

2.3.3. Cabinets and countertops shall be assembled at the mill insofar as practical and delivered ready for installation. When necessary to cut and fit on the job, material shall be made with allowance for cutting. All work shall be made IAW measurements taken at the job site.

2.3.4. Mill assemblies shall be joined with concealed nails, screws, dowels and glue blocks. Glue shall be waterproof.

2.3.5. Unexposed plywood for cabinetwork shall be 1/2-inch thickness, any species, and group A-D softwood exterior plywood with hardwood edge band on exposed edges. Interior of cabinetwork not exposed to view shall be shop painted. Exterior faces of cabinet doors and drawers shall match the door or drawer that is being replaced in finish, material, thickness and dimension.

2.3.6. Plastic laminate shall conform to NEMA Publication No. LD-3, Type I, Class I, furniture-finish for exposed view. Use 0.050-inch thick material for countertops, back-splashes and associated edge work. Plastic laminate color, texture and pattern shall be selected from manufacturer's standard patterns and colors.

2.3.7. Cabinet hardware shall match the existing hardware and shall conform to ANSI A156.9.

3. EXECUTION.

3.1. TRIM: Replace wood trim as directed by the Contracting Officer. Trim shall include door trim, window trim, base, base shoe mold, ceiling mold, window stools, window sills and any other miscellaneous trim items that require replacement. This includes, but is not limited to, removal, replacement, nailing, puttying and painting. Trim shall be installed straight, plumb, level and with closely fitted joints. Exposed surfaces shall be machine sanded at the mill. Molded work shall be coped at returns and interior angles and mitered at external corners. Flatwork intersections shall be shouldered to ease any inherent changes in plane. Door trim shall be provided in single lengths. Blind nailing shall be used to the extent practicable and face nailing shall be set and stopped with non-staining putty to match the finish applied. Screws shall be used for attachment to metal; setting and stopping of screws shall be of the same quality as required where nails are used.

3.2. HANDRAILS: Replace damaged handrail with two-inch (2") diameter oak handrail. Stain with dark oak oil stain and apply two coats of varnish. Plumb cut and smooth cut edges at each end of handrail prior to finishing.

3.3. CABINET DOORS AND DRAWERS: Replace damaged wood kitchen and bathroom cabinet doors and drawers in locations as specified by the Contracting Officer. Doors and drawers shall be replaced with like items, stained to match existing cabinets, sealed and finished IAW SECTION 09900. Preparation of cabinet doors and drawers shall be as follows:

3.3.1. Cabinet and casework shall be assembled at the mill insofar as practical and delivered ready for installation. When necessary to cut and fit on the job, material shall be made with ample allowance for cutting. All work shall be made IAW measurements taken at the job site.

3.3.2. Mill assemblies shall be joined with concealed nails, screws, dowels and glue blocks. Glue shall be waterproof.

3.4. COUNTERTOP: Replace kitchen countertops and bathroom vanity countertops in locations as directed by the Contracting Officer. Install countertops level, plumb and true to line and fasten them to cabinets with suitable devices to securely anchor each unit. Prior to final acceptance, the Contractor shall clean all surfaces. Measurement of countertops to be replaced shall be made at the LF of countertop measured at the back-splash that is actually replaced and incorporated into the work.

3.5. INSTALLATION OF CABINET DOORS, DRAWERS AND COUNTERTOPS:

3.5.1. Blemished, soiled, gouged, split or otherwise marred or damaged materials will not be accepted.

3.5.2. Cabinet and casework shall be installed in a manner consistent with the specified quality grade to be plumb, level, true and straight with no distortions. Scribe and cut for accurate fit to other finished work.

3.5.3. Cut openings in plastic laminate finished tops for kitchen sinks and faucets to be installed. Verify size of openings with actual size of equipment to be used, prior to making openings. Form inside corners to a radius of not less than 1/8". After sawing, rout and file cutouts to ensure smooth, crack-free edge and seal exposed edges after cutting with a waterproofing material recommended by the plastic laminate manufacturer.

4. PAYMENT:

4.1. Trim:

4.1.1. Unless otherwise specified, payment for replacement of miscellaneous wood trim shall be based on the actual lineal feet of new trim incorporated into the accepted work and shall be made at the unit Task item for that work.

4.1.2. Payment for new base shoe or four inch (4") vinyl base where new sheet vinyl flooring or vinyl composition tile is to be installed shall be included in the applicable unit Task item for installation of new sheet vinyl floor covering or vinyl composition tile.

4.1.3. Payment for new baseshoe where hardwood floors are to be refinished shall be included in the Task item for refinishing hardwood floors.

4.1.4. Payment for new door trim for doors to receive new frames and trim shall be included in the applicable unit Task item for replacing the doorframe.

4.2. Handrails: Payment for replacement of handrail shall be made at the applicable unit Task item per lineal foot of handrail actually replaced, to include new handrail brackets at approximately the same location as the old brackets or a maximum spacing of 48" center to center.

4.3. Cabinet doors and drawers: Payment for replacement of cabinet doors and drawers shall be made at the applicable unit Task item for furnishing and installing cabinet doors or drawers and shall include all costs in connection therewith, including all hardware and finishing.

4.4. Countertops: Payment for replacement of laminated kitchen and bathroom vanity countertops shall be made at the unit Task item per LF for countertops actually incorporated in the work. Payment shall include all work required to remove/disconnect the existing sink and the reinstallation/reconnection of the sink after installation of the new countertop and no additional payment will be made for this work.

SPECIES AND GRADE TABLE

<u>Grading Rules</u>	<u>Species</u>	<u>Choice</u>	<u>Clear</u>	<u>C Select</u>	<u>C & Better</u>	<u>D & Better</u>
SPIB	Southern Pine				X	
WCLB	Douglas Fir				X	
	Larch					
	Hemlock Fir				X	
	Mountain Hemlock				X	
	Sitka Spruce				X	
WWPA	Douglas Fir			X		
	Larch					
	Hemlock Fir			X		
	Mountain Hemlock				X	
	Western Larch			X		
	Idaho White Pine	X				
	Lodgepole Pine			X		
	Ponderosa Pine			X		
	Sugar Pine			X		
	Englemann Spruce			X		
	Douglas Fir South			X		
	Subalpine Fir			X		

NOTE: Interior trim shall be any one of the species listed above and the highest species grade for stain or natural finish.

SECTION 07920

CAULKING AND SEALANTS

1. GENERAL

1.1. **APPLICABLE PUBLICATIONS:** The Federal Specifications (Fed. Spec.) listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

- | | | |
|--------|----------------|---|
| 1.1.1. | TT-S-00230C(2) | Sealing Compound: Elastomeric Type,
Single Component (for Caulking, Sealing
and Glazing in Buildings and Other
Structures) |
|--------|----------------|---|

1.2. **SUBMITTALS:** Certificates of compliance, manufacturer's descriptive data, and two cartridges of each required caulk and sealant, shall be submitted for approval IAW SECTION 01300.

1.3. **ENVIRONMENTAL REQUIREMENTS:** The ambient temperature shall be within the limits of 50 to 90 degrees Fahrenheit when the caulking and sealants are applied.

1.4. **DELIVERY AND STORAGE:** Materials shall be delivered to the job in the manufacturer's original unopened containers. The containers shall include the following information on the label; supplier, name of material, formula or specification number, lot number, color, date of manufacture, mixing instructions, shelf life and curing time when applicable at the standard conditions for laboratory tests.

2. **PRODUCTS:** Materials shall conform to the requirements as specified. The color shall be one of the manufacturer's standard colors as selected by the Contracting Officer.

2.1. Sealant shall be a one component, elastomeric type compound conforming to Fed. Spec. TT-S-00230C(2), Type II, Class A.

2.2. **Backstop material:** Backstop material shall be resilient polyvinyl-chloride foam, closed-cell polyethylene foam, or closed-cell sponge of vinyl or rubber.

3. EXECUTION.

3.1. **SURFACE PREPARATION:**

3.1.1. **General:** The surfaces of joints to be caulked shall be dry. Oil, grease, dirt, chalk, particles of mortar, dust, loose rust, loose mill scale, and other foreign substances shall be removed from all joint surfaces to be sealed. Oil and grease shall be removed with solvent and surfaces shall be wiped with clean cloths.

3.1.2. **Concrete and Masonry Surfaces:** Where surfaces have been treated with curing compounds, oil, or other such material, material shall be removed by sandblasting or wire brushing. Laitance, efflorescence and loose mortar shall be removed from the joint cavity.

3.1.3. Aluminum Surfaces: Aluminum surfaces of windows and doorframes in contact with sealants shall be cleaned. When masking tape is used for a protective cover, the tape and any residual adhesive shall be removed just prior to applying the sealant.

3.2. APPLICATION:

3.2.1. Backstops: Deep joints shall be packed tightly with backstop material to provide a joint of a depth no deeper than recommended by the sealant manufacturer.

3.2.2. Sealant: Compound shall be gun-applied with a nozzle of proper size to fit the width of joint indicated and shall be forced into grooves with sufficient pressure to expel air and fill the groove solidly. Sealant shall be uniformly smooth and free of wrinkles. Joints shall be tooled slightly concave after sealant is installed. When tooling white or light-color sealant, dry or water-wet tool shall be used.

3.3. AREAS TO RECEIVE CAULK:

3.3.1. Where ceilings and walls abut concrete block surfaces (i.e. firewalls), cracks between trim-boards and concrete block surfaces shall be caulked prior to painting.

3.3.2. Cracks around cabinets and countertops where they abut walls, ceilings, and floors, and cracks inside cabinets where component parts do not fit properly shall be caulked prior to painting.

3.3.3. Kitchen sinks and lavatories to be reinstalled shall be set in a bed of caulk.

3.3.4. Any cracks around doors, windows, and baseboards shall be caulked prior to painting.

3.3.5. All joints around tubs, showers, and fiberglass tub wall-kits. Caulk applied around fiberglass tub kits shall be IAW the manufacturer's instructions.

3.4. CLEANING: The surfaces adjoining caulked and sealed joints shall be cleaned of smears and other soiling resulting from the caulking and sealing application as work progresses.

4. PAYMENT: Payment for caulking shall be included in the applicable Task item for the item of work performed and no additional payment will be made for caulking or sealing.

4.1. Payment for miscellaneous caulking shall be included in the applicable Task item for Interior repairs, painting, and Preventive Maintenance.

4.2. Payment for caulking of exterior doorframes to be replaced shall be included in the unit Task item for replacing exterior doorframe, trim, sill plate and threshold and no additional payment will be made for that work.

4.3. Payment for caulking required in installation of new kitchen countertops or bathroom vanity countertops, kitchen sinks or lavatories shall be included in the applicable unit Task item for those items.

4.4. Payment for caulking required in installation of new fiberglass tub wall kits, new bathtubs and new shower enclosures shall be included in the applicable unit Task item for that item and no additional payment will be made.

SECTION 08110

STEEL DOORS AND FRAMES

1. GENERAL

1.1. REFERENCES: The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

1.1.1. American Society for Testing and Materials (ASTM)

ASTM E 84	Surface Burning Characteristics of Building Materials (1987)
ASTM E 283	Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors (1984)

1.1.2. Steel Door Institute (SDI)

SDI 100	Standard Steel Doors and Frames (1985)
SDI 106	Recommended Door Type Nomenclature (1966)
SDI 107	Hardware on Steel Doors (1984)

1.2. GENERAL REQUIREMENTS: Door systems shall be of the type and design indicated herein and as specified in the Door Schedule at the end of this section. Door height, width and thickness shall match the existing doors that are being replaced. Doors shall be the standard products of manufacturers regularly engaged in the manufacture of steel doors.

1.3. SUBMITTALS: The following shall be submitted in accordance with Section 01300:

1.3.1. Detail Drawings: Detail drawings shall use standard door-type nomenclature in accordance with SDI 106 and shall indicate; (1) elevation of each model of door and frame, (2) details of construction, (3) method of assembling sections, (4) location and extent of hardware reinforcement, (5) hardware locations, (6) type and location of struts and anchors for frames, and (7) thickness of metal. Detail drawings shall include catalog cuts or descriptive data for the weather-stripping and thresholds.

1.3.2. Test Reports: Certification of Thermal Insulating Rating; Certification or test report for thermal insulated doors shall be submitted to show compliance with the specified requirements. The certification, or test report, shall list the parameters and the type of hardware and perimeter seals used to achieve the rating.

1.4. DELIVERY AND STORAGE: Materials shall be delivered to the site in undamaged condition, and stored out of contact with the ground and under a weather-tight covering permitting good air circulation. Door systems shall be stored in an upright position.

2. PRODUCTS.

2.1. GENERAL REQUIREMENTS FOR DOOR SYSTEMS: Door systems shall be complete with frame as specified below.

2.1.1. Door System Construction: Vertical edges of doors shall be steel interlocking edges that lock skins together. Panel faces shall be flat and smooth 24-gauge galvanized steel and shall be chemically bonded to a polyurethane core (R-15 insulating value). Doors shall have a reinforced lockset area that is punched and extruded. Door systems shall have vinyl clad white jambs and vinyl clad white vinyl brickmold. Door systems with sidelites shall have white vinyl mull casing. Thresholds shall be oak adjustable in mill finish. Door systems shall be pre-finished in a semi-gloss white. Shed doors (style FX) and out-swing mounted furnace room doors (in some of the P & Q style units) are the only doors that shall not have vinyl clad jambs; they shall be installed with wood jambs and solid extruded white vinyl brickmold.

2.1.2. Glazing: Doorlites and 12" sidelites shall be clear and 28" sidelite glazing shall be obscure. All doorlites and side lites shall be insulated and tempered for safety and security.

2.2. LOUVERS: Louvers for exterior furnace room doors shall be minimum 18-gauge steel of a storm-proof design. Louvers shall be sight-proof type inserted into the door. Blades shall be welded to the frame and the entire assembly fastened to the door with metal moldings on both sides. The frame shall be non-removable from the outside of the door. Louvers shall be provided with removable type insect screens with 18 by 16 mesh aluminum or bronze cloth. Steel louvers shall be factory primed and final painted to match the door.

3. EXECUTION.

3.1. The Contractor shall install door systems of the type as shown on the Door Schedule at the end of this section, and as specified in the Task List, in locations as directed by the Contracting Officer.

3.2. INSTALLATION OF DOOR SYSTEMS: Door systems shall include sill plate, jambs, head, all trim, molding, weather-stripping, threshold and finishing. Preparation for hardware shall be in accordance with SDI 107. Doors shall be reinforced, drilled, and tapped to receive mortised hinges, locks, latches, flush bolts, and closers as required. Thresholds shall be neatly scribed and fitted to doorframes, cut out to receive door bolts, bedded in sealant and firmly anchored in place.

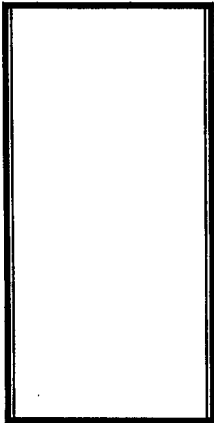
3.3. HARDWARE:

3.3.1. Where possible, the Contractor shall reuse the existing hardware. After new door system is installed, the Contractor shall reinstall the existing hardware at no additional cost to the Government. Payment for removal and reinstallation of hardware shall be included in the applicable Task item for installation of the new door system.

3.3.2. Where indicated by the Contracting Officer, defective hardware shall be replaced with new hardware. New hardware shall be as specific in SECTION 08700. Payment for removal of defective hardware and installation of new hardware shall be made at the applicable Task item for the item of hardware replaced and incorporated into the work.

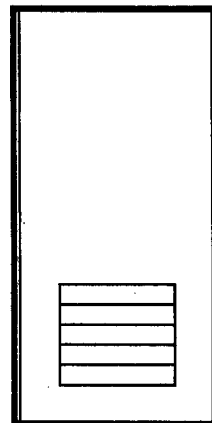
4. PAYMENT: Payment for removal of existing door frame, sill plate, trim and threshold, and installation of new steel door system, including any materials and labor necessary to alter openings to install new door systems, shall be included in the Unit Task item for replacing steel door system and no additional payment will be made for this work.

DOOR SCHEDULE



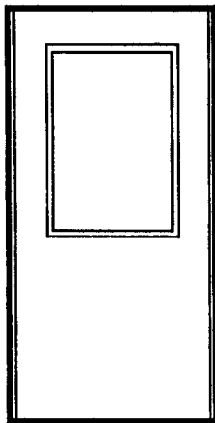
NTS

TYPE: Full Flush, Exterior (FX).
FINISH: Painted semi-gloss white.
HARDWARE: Reuse existing where possible.
CONSTRUCTION: Steel with thermal insulated core.
LOCATION: Shed doors.
REMARKS: Door swing, width, height and thickness shall match the existing doors to be replaced.



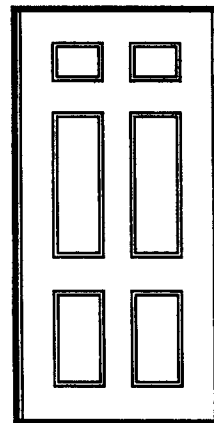
NTS

TYPE: Flush door with 16"x 16" louver (FXL)
FINISH: Painted semi-gloss white.
HARDWARE: Reuse existing where possible.
CONSTRUCTION: Steel with thermal insulated core.
LOCATION: Exterior furnace room doors.
REMARKS: Door swing, width, height and thickness shall match the existing doors to be replaced. Louvers shall be steel.



NTS

TYPE: Flush door with 1/2 glass, Exterior (FX1/2G).
FINISH: Painted semi-gloss white.
HARDWARE: Reuse existing where possible.
CONSTRUCTION: Steel with thermal insulated core and insulated glass.
LOCATION: Exterior doors to quarters (rear and kitchen).
REMARKS: Door swing, width, height and thickness



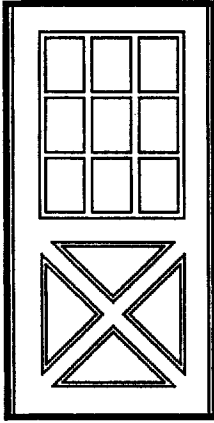
NTS

TYPE: "Six Panel" door, Exterior (SPX).
FINISH: Painted semi-gloss white.
HARDWARE: Reuse existing where possible.
CONSTRUCTION: Steel with thermal insulated core.
LOCATION: Exterior doors to some quarters (front).
REMARKS: Door swing, width, height and

shall match the existing doors to be replaced.

thickness shall match the existing doors to be replaced.

DOOR SCHEDULE



NTS

TYPE: "Crossbuck", Exterior, (CX9G).

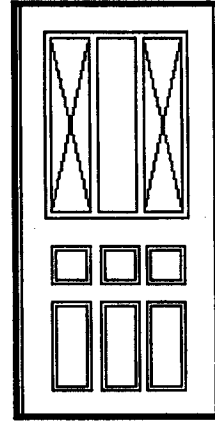
FINISH: Painted semi-gloss white.

HARDWARE: Reuse existing where possible.

CONSTRUCTION: Steel with thermal insulated core and insulated glass. Glass trim to be internally sealed between glass panes.

LOCATION: Exterior door to some quarters (kitchen on Kirby and McKenzie).

REMARKS: Door swing, width, height and thickness shall match the existing doors to be replaced.



NTS

TYPE: Six-panel with 3 lites, Exterior (SPX3G).

FINISH: Painted semi-gloss white.

HARDWARE: Reuse existing where possible.

CONSTRUCTION: Steel with thermal insulated core and insulated glass.

LOCATION: Exterior door to some quarters (front and 4th bedrooms).

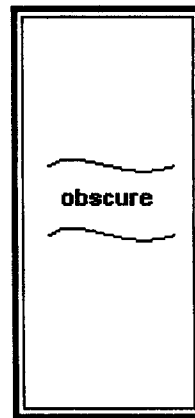
REMARKS: Door swing, width, height and thickness shall match existing doors to be replaced.



NTS

SIDE LITES: 12" Sidelite(s).

FINISH: Painted semi-gloss white.

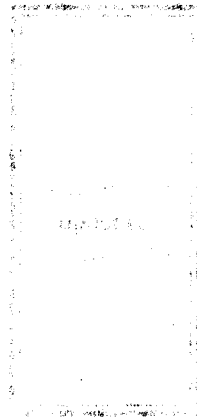
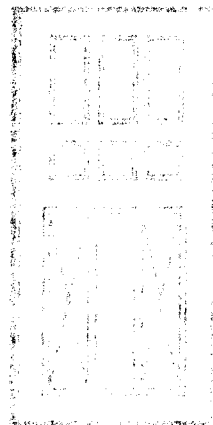


NTS

SIDE LITES: 28" Sidelite with obscure glass.

FINISH: Painted semi-gloss white.

LOCATION: Exterior door to some quarters (front).

[illegible]

SECTION 08200

WOOD DOORS

1. GENERAL

1.1. **APPLICABLE PUBLICATIONS:** The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

1.1.1. **Fir and Hemlock Door Association (FHDA) Publication:**

FHDA/7-79	Industry Standard for Douglas Fir,
Incl Dec. 1980	Western Hemlock, and Sitka Spruce
Revision	Doors

1.1.2. **National Wood Window and Door Association (NWWDA) Industry Standards:**

I.S.1-81	Wood Flush Doors
I.S.4-81	Water-Repellent Preservative Treatment for Millwork
I.S.5-73	Stock Ponderosa Pine Doors & Addenda

1.2. **GENERAL REQUIREMENTS:**

1.2.1. **Standard Products:** Doors shall be of the type and design indicated on the Door Schedule at the end of this section. The door height, width and thickness shall match the existing doors that are being replaced. Doors shall be the standard products of manufacturers regularly engaged in the manufacture of wood doors.

1.2.2. **Marking:** Each door shall bear a stamp, brand or other identifying mark indicating quality and construction of the door. The identifying mark or a separate certification shall include identification of the standard on which construction of the door is based, identity of the manufacturing plant, identification of the standard under which preservative treatment, if used, was made and identification of the doors having a Type I glue bond.

1.3. **SUBMITTALS:** Shop drawings shall be submitted for approval IAW SECTION 01300. Shop drawings shall indicate the elevation of each type of door, details of construction, marks to be used to identify the doors and location and extent of hardware blocking.

1.4. **STORAGE:** The doors shall be stored in fully covered areas and protected from damage and from extremes in temperature and humidity. Doors shall be stored flat on supports to prevent warping or twisting, and to provide ventilation. Factory cartons or wrappers shall be kept intact until installation.

1.5. **HARDWARE:**

1.5.1. Where possible, the Contractor shall reuse the existing hardware. After new door is installed, the Contractor shall reinstall existing hardware at no additional cost to the Government. Payment for removal and reinstallation of hardware shall be included in the Task item for installation of the new door.

1.5.2. Where directed by the Contracting Officer, defective hardware shall be replaced with new hardware. New hardware shall be as specified in SECTION 08700. Payment for removal of defective hardware and installation of new hardware shall be made at the applicable Task item for the item of hardware replaced and incorporated into the work.

1.6. PAINTING shall conform to SECTION 09900.

2. PRODUCTS.

2.1. GENERAL FABRICATION REQUIREMENTS:

2.1.1. Edge Sealing: All wood end-grain exposed at edges of doors shall be sealed prior to shipment.

2.1.2. Adhesives: Adhesives shall be IAW NWWDA I.S.1, using requirements for Type II Bond Doors for interior doors. Adhesive for doors to receive a transparent finish shall be non-staining.

2.1.3. Warp tolerance shall be IAW NWWDA I.S.1.

2.1.4. Prefitting: Doors shall be furnished prefitted or unfitted at the option of the Contractor.

2.2. FLUSH DOORS shall be solid core or hollow core as shown on the Door Schedule at the end of this section and shall conform to NWWDA I.S.1.

2.2.1. Core Construction: Cores of flush doors shall conform to NWWDA I.S.1.

2.2.1.1. Solid Cores: Construction shall be glued block core or shall be mat-formed wood particleboard core with stiles and rails bonded to the core.

2.2.1.2. Hollow Cores: Hollow core doors shall be provided with wood stiles, rails and lock blocks of sufficient width for the application of door-mounted hardware.

2.2.2. Face Panels:

2.2.2.1. Natural Finished Doors: Doors to receive natural finish shall be of Good Grade with birch veneer IAW NWWDA I.S.1. Vertical stile strips shall be selected to provide edges of the same color as the face veneer.

2.2.2.2. Painted Doors: Doors to receive paint finish shall be Sound Grade veneer IAW NWWDA I.S.1 or shall be Standard Grade IAW NWWDA I.S.5.

2.2.3. PANEL AND LOUVER DOORS shall conform to NWWDA I.S.5 or FHDA/7.

2.2.3.1. Raised panels doors shall have a minimum finished panel thickness of 3/4-inch. Laminated panels shall be of no less than three (3) ply construction.

2.2.3.2. Louvers: Slats shall be not less than 1/4-inch thick. A center mullion shall be provided for flat slat louvers twenty (20) inches or more in width. Doors shall be blocked to provide solid anchorage for the louvers.

2.2.3.3. Natural Finished Doors: Doors to receive natural finish shall be Premium Grade IAW NWWDA I.S.5 or Selected Grade IAW FHDA/7.

2.2.3.4. Painted Doors: Doors to receive paint finish shall be Standard Grade IAW NWWDA I.S.5 or FHDA/7.

2.3. LOUVERS: Where indicated, flush doors shall be provided with full louvers or louver sections. Louvers shall be "sight-proof" type inserted into the door. Inserted louvers shall be stationary. Louvers shall be non-removable from the secure side of interior doors. Louvers shall be wood with flat slats for interior doors.

2.4. **DOORFRAMES:** Wood doorframes shall be provided where directed by the Contracting Officer. Interior frames shall include all new jambs and head complete with new trim. Applied stops shall be permitted for interior doorframes.

3. EXECUTION.

3.1. INSTALLATION OF DOORS:

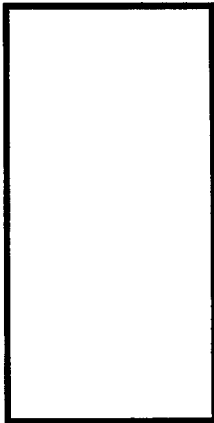
3.1.1. The Contractor shall install doors of the type as shown on the Door Schedule at the end of this section in locations as directed by the Contracting Officer. Door swing, height, width and thickness shall match the existing door to be replaced. Upon completion of the door installation, doors shall be finished IAW SECTION 09900.

3.1.2. **Installation of Doors:** Doors shall be fit, hung and trimmed as required. Door shall have a clearance of 1/8-inch at the sides and top and shall have a bottom clearance of 1/4-inch over thresholds and one-inch (1") at other locations unless otherwise directed. The lock edge or both edges of doors shall be beveled at the rate of 1/8-inch in two (2) inches. Cuts made on the job shall be sealed immediately after cutting using a clear varnish or sealer.

3.2. **INSTALLATION OF WOOD DOOR FRAMES AND TRIM:** Wood doorframes shall be set plumb and square and rigidly anchored in place using finish type nails. Double wedge blocking shall be provided near the top, bottom and mid-point of each jamb. Upon completion of the frame installation, frames shall be finished IAW SECTION 09900. Interior doorframes shall include all new trim. Payment for removal of existing frame and trim, installation and finishing of new frame and trim and re-hanging of door shall be included in the unit Task item for replacing interior door frame and trim and no additional payment will be made for this work.

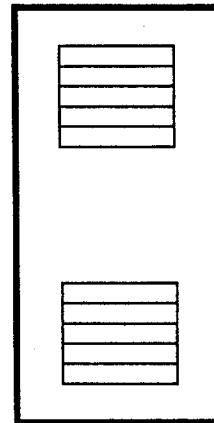
3.3. **SLIDING AND BIFOLD CLOSET DOORS:** The Contractor shall install sliding and bifold closet doors in locations as directed by the Contracting Officer. Size of doors shall match the existing in height, width and thickness. Doors shall be finished IAW SECTION 09900. Payment for replacing closet doors shall be made at the applicable unit Task item and shall include removal of the existing doors to be replaced, reinstallation of the existing hardware, tracks, etc., and finishing of the doors after completion of installation. No additional payment will be made for this work.

DOOR SCHEDULE



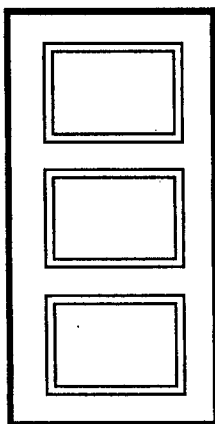
NTS

TYPE: Full Flush, Interior (FI).
FINISH: Natural.
HARDWARE: Reuse existing where possible.
CORE: Hollow Core.
FACES: Birch veneer.
LOCATION: Interior room doors, sliding and bi-fold closet doors.
REMARKS: Door swing, width, height and thickness shall match the existing doors to be replaced. Sliding closet doors require two (2) doors per set or three (3) doors per set, as applicable. Bi-fold closet doors require four (4) doors per set.



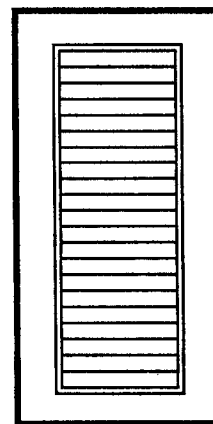
NTS

TYPE: Full Flush, Interior, with two louvers (FIL).
FINISH: Natural.
HARDWARE: Reuse existing where possible.
CORE: Hollow core.
FACES: Birch veneer.
LOCATION: Interior furnace room doors.
REMARKS: Door swing, width, height and thickness to match existing doors to be replaced. Louvers shall be 16" x 16".



NTS

TYPE: Raised Panel Door, Interior (PI).
FINISH: Natural or painted - match existing door to be replaced.
HARDWARE: Reuse existing where possible.
CONSTRUCTION: Raised Panel door.



NTS

TYPE: Full Louvered Panel Door, Interior (PL).
FINISH: Natural or painted - match existing door to be replaced.
HARDWARE: Reuse existing where possible.
CONSTRUCTION: Full Louvered Panel door.

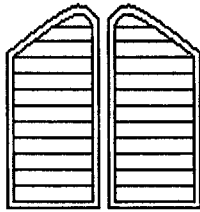
LOCATION: Interior doors on Kirby Street.

REMARKS: Door style to match existing doors to width, height and be replaced. Door swing, width, height and thickness existing doors to be shall match the existing doors to be replaced.

LOCATION: Some interior furnace room doors.

REMARKS: Door swing, thickness shall match the replaced.

DOOR SCHEDULE



NTS

TYPE: Louvered Bar Door, Interior (PB).

FINISH: Natural.

HARDWARE: Supply new hardware as per door manufacturer.

CONSTRUCTION: Louvered Bar door.

LOCATION: Interior door in some quarters.

REMARKS: Door swing, style width, height and thickness shall match the existing doors to be replaced.

SECTION 08390

ALUMINUM STORM DOORS

1. GENERAL: Screen doors shall be similar to existing except as otherwise specified. Doors shall be half-glass units with frame, complete with glass and screen. Glass and screen shall be interchangeable. All doors shall be installed on Family Housing Units where directed to replace existing failing doors.

1.1. SUBMITTALS:

1.1.1. Product Data: Submit manufacturers material specifications and installation instructions. Include instructions for handling, storage, protection, and maintenance.

1.1.2. Certificate of Compliance: Submit certificate indicating that door assemblies provided comply with requirements specified.

1.1.3. Samples: Provide one full size sample of door unit.

1.2. DELIVERY AND STORAGE: Protect screen door units from damage in shipment, storage, and handling. Deliver in factory prepared bundles and store in a dry place with adequate air circulation.

2. PRODUCTS.

2.1. MATERIAL: Manufacturer's heavy-duty door unit complying with the following requirements:

2.1.1. Framing: Main frame, glass frame, and screen frame shall be constructed of extruded aluminum alloy 6063-T6. Main frame wall thickness shall be a minimum of 0.050".

2.1.2. Kickplate: May be integral with the door or have a minimum core thickness of 1/4" with aluminum skin on each side.

2.1.3. Glass: Provide 1/8" tempered glass installed in an extruded frame. Glass and frame shall be easily removable without using special tools.

2.1.4. Screen: Screen shall be 12 x 12 mesh .028" diameter stainless steel or 16 x 18 mesh aluminum. Screen unit shall be framed and easily removable without using special tools.

2.1.5. Size: Match existing.

2.1.6. Color: White baked-on enamel.

2.1.7. Hardware: All hardware shall be heavy duty. Provide hinges as noted below, latch (with exterior handle and interior locking mechanism with anti-lockout feature), adjustable pneumatic type door closer, zinc plated steel wind chain with spring, and an adjustable bottom channel with a vinyl sweep.

2.2. CONSTRUCTION: Doors shall have welded joint construction of the master frame or it shall be composed of single sheets of aluminum laminated to a wooden core. Mullion bars, if required, shall be machined to fit frame and shall be secured by stainless steel screws. Unit shall have four concealed hinges. Screws shall be stainless steel or cadmium plated. Window shall be self-storing.

3. EXECUTION.

3.1. INSTALLATION: Install true and plumb to the door opening. Installation shall include covering all adjacent wood trim with vinyl if needed to end up with no exposed wood door trim.

3.2. **ADJUSTMENT:** Adjust door for smooth operation throughout the full swing of the door. Adjust closer per manufacturers' written instructions.

3.3. **CLEANING:** Following installation, dirty or discolored surfaces shall be either cleaned to the satisfaction of the Contracting Officer or replaced. Units that are damaged or improperly installed shall be removed and new units installed as directed.

SECTION 08520

WINDOW SCREENS

1. GENERAL

1.1. **APPLICABLE PUBLICATIONS:** The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

INSECT SCREENING WEAVERS ASSOCIATION (ISWA)

ISWA IWS 089 (1990) Recommended Standards and Specifications
for Insect Wire Screening (Wire Fabric)

1.2. **SUBMITTALS:** All screen material product specifications IAW SECTION 01300 SUBMITTALS.

1.3. **FIELD DIMENSIONS:** The Contractor shall be responsible for all details and field dimensions.

2. PRODUCTS

2.1. **Screen Frames:** Frame material shall be 3/4" x 5/16" roll-formed with finish to be mill, white or bronze to match window finish.

2.2. **Wire Fabric:** Fabric shall be 18 x 16 aluminum (0.011" wire gauge) bright silver conforming with ISWA IWS 089, Type III.

2.3. **Miscellaneous:** Assembly material to include corner inserts, spline, flat springs, plunger latches and other required parts shall be designed for use with the frame and wire fabric specified.

3. **EXECUTION:** As directed by the Contracting Officer, the Contractor shall provide window screens of the proper dimension to fit window opening. Frame finish shall be mill, white or bronze to match window finish. Fabric shall be tightly stretched within screen opening. Mounting devices to include flat springs and plunger latches shall be provided as applicable to the window opening.

4. **PAYMENT:** Payment for new screens shall be based on the linear footage of the frame material (e.g. 2' x 3' screen has 10 LF of frame) and no additional payment will be made. (NOTE: Costs associated with screen mesh and defective/missing latches provided during quarter's preventive maintenance will be included in the unit price for Family Housing Quarters PM and no additional payment will be made.)

SECTION 08700

HARDWARE; BUILDERS' (GENERAL PURPOSE)

1. GENERAL

1.1. **APPLICABLE PUBLICATIONS:** The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

1.1.1. American National Standards Institute (ANSI) Standards:

A156.1-1981	Butts and Hinges
A156.2-1983	Locks & Lock Trim
A156.5-1984	Auxiliary Locks
A156.6-1986	Architectural Door Trim
A156.7-1981	Template Hinge Dimensions
A156.13-1987	Mortise Locks & Latches
A156.16-1987	Auxiliary Hardware
A156.18-1987	Materials & Finishes
A156.20-1987	Strap and T-Hinges and Hasps

1.1.2. Builders Hardware Manufacturers Association (BHMA) Standards:

Directory of Certified Locks & Latches

1.1.3. Door and Hardware Institute (DHI) Publication:

Keying-Procedures, Systems and Nomenclature (Jan 1978)
Recommended Locations for Builders' Hardware for
Standard Steel Doors and Frames (1975)

The Installation of Commercial Steel Doors and Steel
Frames, Insulated Steel Doors in Wood Frames and
Builders' Hardware (1977)

1.2. **TEMPLATES** or other information shall be furnished to enable the door and frame manufacturer to provide for the specified hardware. Where two or more articles of hardware are to be mounted on the same door, proper coordination shall be effected between the manufacturers of the different articles. Templates of hinges shall conform to ANSI A156.7.

1.3. **SUBMITTALS:** Certificates of compliance attesting that the hardware item conforms to the ANSI or BHMA standards under which the item is specified shall be submitted IAW SECTION 01300. A statement that the proposed locks and latches appear in the BHMA Directory of Certified Locks & Latches may be submitted in lieu of certificates.

1.4. **PACKAGING, MARKING AND LABELING:** Hardware shall be delivered to the project site in the manufacturer's original packaging. Each article of hardware shall be individually packaged in the manufacturer's standard commercial carton or container, properly marked or labeled so as to be readily identifiable with the

approved hardware schedule. Each change-key shall be tagged or otherwise identified with the door for which its cylinder is intended.

1.5. FINISHES: Unless otherwise specified, finishes shall conform to those identified under ANSI A156.18 and shall match the finish of the hardware items to be replaced.

1.6. FASTENINGS of proper type, size, quantity and finish shall be supplied with each article of hardware. Machine screws and expansion shields shall be used for attaching hardware to concrete. Fastenings exposed to the weather in the finished work shall be of stainless steel.

1.7. KEYING: Entry locks shall be keyed and master-keyed in accordance with the existing master key schedule for the quarters in which they are installed. The exact requirements for this master key system will be provided to the successful contractor by the government after contract award. Keys for locks shall be stamped with change number and the inscription "U.S. Property - Do Not Duplicate". Keys shall be supplied as follows:

Entry locks: Two (2) change keys each lock.

2. PRODUCTS.

2.1. LOCKS AND LATCHES: Locksets shall, to the maximum extent possible, be the product of a single manufacturer.

2.1.1. Passage locks shall conform to ANSI A156.2, series 4000, Function F75, Grade 2.

2.1.2. Bathroom locks shall conform to ANSI A156.2, series 4000, Function F76, Grade 2.

2.2. BUTT HINGES: Hinges used on exterior doors shall conform to ANSI A156.1, Type A1112. Hinges used on interior doors shall conform to ANSI A156.1, Type A2133.

2.3. STRAP HINGES: Strap Hinges shall conform to ANSI A156.20, Type A01211.

2.4. HASPS: Hasps shall conform to ANSI A156.20, Type A83231.

2.5. MISCELLANEOUS:

2.5.1. Metal Thresholds: Thresholds for exterior doors shall be as specified in SECTION 08200.

2.5.2. Weather Stripping: Weather stripping shall be as specified in SECTION 08200.

2.5.3. Doorstops shall conform to ANSI A156.16, Type L02051.

2.5.4. Door hardware on louvered bar doors shall be as recommended by the door manufacturer and shall be IAW all applicable ANSI standards.

3. EXECUTION: Door hardware location shall be IAW DHI publication, Recommended Locations for Builders' Hardware for Standard Steel Doors and Frames. When approved, slight variations in locations or dimensions will be permitted. Application shall be IAW DHI publication, The Installation of Commercial Steel Doors and Steel Framing, Insulated Steel Doors in Wood Frames and Builders' Hardware. Weather stripping shall be installed on doors as specified in SECTION 08200.

4. PAYMENT:

4.1. Payment for removal and reinstallation of existing hardware shall be included in the unit Task item for installation of the new door.

4.2. Payment for replacement or installation of new hardware shall be made at the applicable unit Task item for the item of hardware that was replaced.

4.3. Payment for installation of new threshold and weather stripping shall be as specified in SECTION 08200.

4.4. Payment for installation of new door stops shall be included under the unit Task item for refinishing hardwood floors as specified in SECTION 09550, or the unit Task item for installing sheet vinyl floor covering as specified in SECTION 09650, as applicable. No additional payment will be made for this work.

SECTION 08810

GLASS AND GLAZING

1. GENERAL: Glass shall be provided in the locations indicated. Glazing may be performed in the shop or in the field using glass of the quality and thickness specified or indicated.

1.1. APPLICABLE PUBLICATIONS: The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

1.1.1. Flat Glass Marketing Association (FGMA) Publication:

Glazing Manual (1980)

1.1.2. American Society for Testing and Materials (ASTM) Publications:

C 1048 Heat Treated Flat Glass - Kind HS, Kind
FT Coated and Uncoated Glass (1991)

E 773 Sealed Durability of Sealed Insulating
Glass Units (1988)

E 774 Sealed Insulating Glass Units (1988)

1.2. SUBMITTALS:

1.2.1. Descriptive Data: Manufacturer's descriptive data and installation instructions shall be submitted for approval.

1.2.2. Certificates of Compliance: Certificates of compliance attesting that the glass meets the requirements specified shall be furnished in accordance with the Section 1300. Labels or marking affixed to the glass will be accepted in lieu of certificates.

1.3. DELIVERY AND STORAGE: Glazing compounds shall be delivered to the site in the manufacturer's unopened containers. Glass shall be stored in safe, dry locations and shall not be unpacked until needed for installation.

1.4. GUARANTEE: Insulating glass units shall be guaranteed not to develop material obstruction to vision as a result of dust or film formation on the inner glass surfaces caused by failure of the hermetic seal or loss of dehydration, other than through glass breakage, within a 10-year period following installation.

2. PRODUCTS.

2.1. Tempered Glass: ASTM C 1048, Kind FT, Condition A, Type I, 1/4-inch thick (for sidelights).

2.2. Primary Glass: Type I, Class I, Quality q3, shall be provided for glazing openings not indicated or specified otherwise. Where not otherwise indicated, 1/8-inch thick glass shall be provided for glazing openings up to and including 21 square feet, 3/16-inch thick provided for glazing openings over 21 square feet but not over 36 square feet, and 7/32-inch thick provided for glazing openings over 36 square feet but not over 45 square feet.

2.3. Figured Glass: Type II, Class 1, Form 3, Quality q7, Finish f1, pattern as selected by the Contracting Officer from manufacturer's standard designs, 7/32-inch thick tempered. The sidelights shall be insulated units consisting of one lite of clear tempered and one lite of figured tempered glass.

2.4. Insulating Glass Units: Formed of two pieces of Type I, Class I, Quality q3, 1/8"-inch thick glass (minimum), separated by a 5/8"-inch dehydrated air space (plus or minus), hermetically sealed, except that glass

requirements for the sidelights is as listed above. Insulating glass units shall have polyisobutylene primary seal with two part silicone (or polysulfide) secondary seals. Aluminum spacer frame shall have bent or soldered corners. Insulating glass units shall conform to ASTM E 773 and ASTM E 774 Class A.

2.5. Setting Materials:

2.5.1. Glazing Compound and Preformed Glazing Sealants: Suitable type approved for the application and in accordance with applicable portions of the FGMA Glazing Manual. Materials that will be exposed to view and unpainted shall be gray or neutral color.

2.5.2. Glazing Accessories: As required to supplement the accessories provided with the items to be glazed and to provide a complete installation, including glazing points, clips, shims, angles, beads, setting blocks, and spacer strips. Ferrous metal accessories that will be exposed in the finished work shall have a finish that will not corrode or stain while in service.

3. EXECUTION.

3.1. INSTALLATION: Glazing shall be performed in accordance with the approved installation instructions of the glass manufacturer. All glass replaced in windows shall be as per paragraph 2.1.4.

3.2. CLEANING: Glass surfaces shall be thoroughly cleaned with labels, paint spots, putty, and other defacement removed, and shall be clean at the time the work is accepted.

4. PAYMENT: Payments for glazing in doors and sidelights shall be included in the applicable unit Task item for the type of door and frame to be replaced, and no additional payment will be made for this work.

SECTION 09250

GYPSUM WALLBOARD

1. GENERAL

1.1. **APPLICABLE PUBLICATIONS:** The American Society for Testing and Materials (ASTM) Publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

C 36-85	Gypsum Wallboard
C 475-88	Joint Treatment Materials for Gypsum Wallboard Construction
C 514-84	Nails for the Application of Gypsum Wallboard
C 630-85	Water-resistant Gypsum Backing Board
C 840-88	Application and Finishing of Gypsum Board

1.2. **GENERAL REQUIREMENTS:** Except where otherwise indicated or specified, the work shall conform to ASTM C 840. Gypsum wallboard shall be applied to surfaces as directed by the Contracting Officer.

1.3. **SUBMITTALS:** Certificates attesting that the wallboard meets the requirements specified shall be furnished IAW SECTION 01300.

1.4. **DELIVERY AND STORAGE:** Wallboard delivered prior to use shall be stored off the ground within a completely enclosed structure or completely enclosed within a weather-tight covering. Wallboard shall be dry, free of warping and have bundling tape intact immediately prior to use.

2. **PRODUCTS:** Materials shall conform to the requirements specified below. Miscellaneous items not otherwise specified shall be as recommended by the wallboard manufacturer and approved prior to use. Power driven fasteners may be used only when approved in writing.

2.1. **Gypsum Wallboard:** ASTM C 36, Forty-eight (48) inches wide, 1/2-inch thick, tapered edges.

2.2. **Water-resistant Gypsum Board:** Water-resistant Gypsum board shall be used in shower and bathtub areas and shall conform to ASTM C 630. Surface shall be paintable, forty-eight (48) inches wide, 1/2-inch thick, tapered edges.

2.3. **Joint Treatment Materials:** ASTM C 475.

2.4. **All-purpose Compound:** Specifically formulated and manufactured to serve as both a taping and a finishing compound and compatible with tape and substrate.

2.5. **Joint Tape:** Reinforcing tape recommended by the manufacturer.

2.6. **Nails:** ASTM C 514.

2.7. **Screws:** Specially designed steel screws as recommended by the manufacturer of the gypsum wallboard for application of wallboard to wood framing.

2.8. **Corner Bead and Edge Trim:** Corrosion protective coated steel designed for its intended use. Flanges shall be free of dirt, grease, and other materials that may adversely affect the bond of joint treatment.

- 2.9. Wood trim shall meet the requirements of SECTION 06200.

3. EXECUTION.

3.1. PREPARATION: Prior to gypsum board finishing (sanding of mud/joint compound), the Contractor shall furnish and install "hammock style" filter material over HVAC air intake ducts. Once finishing is complete, the filter material shall be removed and a new 30% efficient furnace filter installed, identical in dimension to the existing filter.

3.2. REMOVAL OF DAMAGED GYPSUM BOARD or other existing wall coverings on areas to receive new gypsum board shall be IAW SECTION 02050. All trim (i.e. baseboard, base shoe, window trim, etc.) shall be removed to the closest complete section. Existing trim to be removed shall be discarded and shall not be reused.

3.3. APPLICATION OF GYPSUM WALLBOARD: Gypsum wallboard shall be applied to framing members IAW ASTM C 840 and the requirements specified herein. Gypsum wallboard shall be applied with separate boards in moderate contact without forcing in place. In horizontal application of gypsum wallboard, end joints of adjoining boards shall be staggered, using gypsum wallboard of maximum practical length. In vertical application of gypsum wallboard, panels shall be of length required to reach full height of vertical surfaces in one continuous piece. Abutting end and edge joints shall be fitted IAW the manufacturer's recommendations. Gypsum wallboard shall be cut as required to make joints around openings.

3.3.1. Application: Gypsum wallboard shall be applied to wood framing and furring IAW ASTM C 840, System I.

3.3.2. Fasteners: Attachment of fasteners adjacent to ceiling and wall intersections for floating interior angles shall be located IAW ASTM C 840, System XII for single-ply applications of gypsum wallboard to wood framing.

3.3.3. Trim: Existing trim to be removed shall be discarded and replaced with new trim to match the original trim in size, type and finish. Payment for new trim required due to replacement of gypsum wallboard shall be made at the unit Task item for replacement of miscellaneous wood trim. Trim shall be finished IAW SECTION 09900.

3.4. FINISHING OF GYPSUM WALLBOARD: Gypsum wallboard shall be taped and finished IAW ASTM C 840. Joint, fastener depression, and corner treatment shall be provided. Gypsum wallboard shall be primed and prepared for final painting IAW SECTION 09900.

3.5. PATCHING: Surface defects and damage shall be corrected as required to leave gypsum wallboard smooth, uniform in appearance and ready to receive finish as specified above.

4. PAYMENT:

4.1. Payment for removal of existing wall coverings and installation of new gypsum board shall be made at the applicable unit Task item and shall constitute full reimbursement for all costs in connection therewith.

4.2. Payment for finishing and priming of gypsum wallboard shall be included in the applicable unit Task item for installation of the wallboard and no additional payment will be made for this work.

4.3. Payment for "hammock style" filter material and new furnace filter shall be included in the applicable unit Task item for installation of the wallboard and no additional payment will be made for this work.

SECTION 09500

ACOUSTICAL TREATMENT

1. GENERAL

1.1. **APPLICABLE PUBLICATIONS:** The Federal Specifications (Fed. Spec.) listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

SS-S-118B

Sound Controlling (Acoustical) Tiles and Panels

1.2. **GENERAL REQUIREMENTS:** Acoustical treatment shall consist of sound controlling units mechanically mounted on a suspended ceiling system. The unit size, texture, finish and color shall match the existing ceiling tile. The location and extent of ceiling tile to be replaced shall be as directed by the Contracting Officer.

1.3. **SUBMITTALS:** One (1) sample of each type of acoustical ceiling tile showing texture, finish and color shall be submitted for approval IAW SECTION 01300.

1.4. **DELIVERY AND STORAGE:** Materials shall be delivered to the site in the manufacturer's original unopened containers with brand name and type clearly marked. Materials shall be carefully handled and stored in dry, watertight enclosures.

1.5. **SCHEDULING:** Paint and finish work shall be complete and dry prior to placement of acoustical ceiling tiles. Electrical and other work above the ceiling line shall be completed.

2. **PRODUCTS:** Acoustical ceiling tiles shall conform to Fed. Spec. SS-S-118, Class A, and shall match the existing tiles in texture, color and size.

3. EXECUTION:

3.1. **INSTALLATION:** Acoustical ceiling tiles shall be provided complete with all necessary fastenings, clips and other accessories required for a complete installation. Ceiling tiles shall be installed IAW the approved installation instructions of the tile manufacturer.

3.2. **CLEANING:** Following installation, dirty or discolored surfaces of acoustical units shall be cleaned and left free from defects. Units that are damaged or improperly installed shall be removed and new units provided as directed at no additional cost to the Government.

SECTION 09550

WOOD FLOORING

1. GENERAL: This section covers replacement of damaged or deteriorated hardwood flooring and refinishing of hardwood floors in the Family Housing Areas on Fort Leonard Wood.

1.1. APPLICABLE PUBLICATIONS: The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

1.1.1. Federal Specifications (Fed. Spec.):

TT-F-340C	Filler, Wood, Plastic
TT-C-542E	Coating, Polyurethane, Oil-Free, Moisture Curing
TT-S-176E	Sealer, Surface, Varnish type, Floor, Wood or Cork

1.1.2. National Oak Flooring Manufacturers' Association (NOFMA) Publication:

Flooring Grading Rules (July 1981)

1.2. SUBMITTALS: The Contractor shall submit the following items IAW SECTION 01300. Submittals shall include brochures, certificates of compliance and flashpoint and test reports, as well as the following samples:

- 1.2.1. Two (2) samples of strip flooring to be used for repairing damaged areas.
- 1.2.2. Filler (Wood, Plastic): Two (2) one-pint cans.
- 1.2.3. Polyurethane Coating: Two (2) one-pint cans.
- 1.2.4. Sealer, Surface, Varnish type, Floor, Wood or Cork: Two (2) one-pint cans.

1.3. DELIVERY AND STORAGE: Materials shall be delivered to the site in original unopened bundles or containers and with all labels intact. Flooring shall be stored in fully covered, well-ventilated areas and protected from extreme changes in temperature and humidity. Flooring shall be maintained at average moisture content of six to nine percent (6-9%). Temperature and humidity in the storage area shall closely approximate the temperature and humidity of the rooms in which the flooring is to be installed.

1.4. ENVIRONMENTAL CONDITIONS: Rooms where wood flooring is to be installed or refinished shall have adequate arrangements for ventilation and temperature controls. The temperature shall be maintained at 65 to 80 degrees Fahrenheit starting not less than three (3) days prior to beginning the installation of flooring and continuing throughout the completion and acceptance of the work.

2. PRODUCTS:

2.1. STRIP FLOORING used to replace damaged or deteriorated hardwood flooring shall match the existing flooring to be replaced in section and dimension, kiln dried, continuous tongue and groove and of standard lengths. Red and white oak shall be select grade IAW NOFMA Flooring Grading Rules. Strip flooring shall be marked with the trademark of the grading agency.

2.2. NAILING shall be IAW the flooring manufacturer's recommendations. All nailing shall be accomplished using 6d finish nails. The nails shall be set 1/8-inch and, where exposed, shall be filled with plastic wood filler conforming to Fed. Spec. TT-F-340.

2.3. FILLER: Wood filler shall meet the requirements of Fed. Spec. TT-F-340. Color shall match the flooring in color as approved by the DPW Contract Inspector.

2.4. SEALER shall meet the requirements of Fed. Spec. TT-S-176E (1) class 2 with minimum set to touch time changed from one (1) hour to two-thirds (2/3) hour.

2.5. POLYURETHANE COATING shall meet the requirements of Fed. Spec. TT-C-542, Type 1, Class A.

2.6. BASE SHOE shall meet the requirements of SECTION 06200.

2.7. DOORSTOPS shall meet the requirements of SECTION 08700.

3. EXECUTION:

3.1. REPLACEMENT OF HARDWOOD FLOORING: The Contractor shall replace damaged or deteriorated hardwood flooring in areas as directed by the Contracting Officer. Installation of new flooring shall be IAW the approved manufacturer's installation instructions. Unless otherwise approved, flooring shall be laid parallel to the existing flooring. Each strip shall be laid with close joints, snugly driven up but providing for absorption of a small amount of expansion. End joints shall be so alternated that there will be at least two boards between end joints in the same plane and at least six (6) inches between end joints in adjacent boards. Space for expansion shall be left along perimeter walls and around fixed projections through the floor surface. Unless otherwise shown or permitted by the approved installation instructions, expansion space shall be 1/16-inch per foot of distance between opposite walls, with one-half (1/2) the space provided at each wall and with a minimum space of one-inch (1") at each wall. Repaired areas shall be sanded and finished IAW this section of the specifications. Floor registers shall be removed as required for replacement of hardwood flooring and shall be reinstalled after completion of the work.

3.2. REFINISHING OF HARDWOOD FLOORING: The Contractor shall refinish hardwood floors in locations as directed by the Contracting Officer. Refinishing of flooring shall be IAW SECTION 09900 and as follows:

3.2.1. Before beginning floor-refinishing operations, the Contractor shall furnish and install "hammock style" filter material over HVAC air intake ducts. Once floor-refinishing operations are complete, the Contractor shall remove and dispose of the filter material and furnish and install a new 30% efficient furnace filter, identical in dimension to the existing filter

3.2.2. Floor registers shall be removed for refinishing of hardwood flooring and shall be reinstalled after completion of the work.

3.2.3. Hot water heaters, whether electric or gas, shall be removed for refinishing of hardwood flooring and shall be reinstalled after completion of the work.

3.2.4. All existing base shoe shall be removed and disposed.

3.2.5. Nailing shall be required on all loose boards as required to achieve a solid finished floor after sanding. The nails shall be set 1/8-inch and filled with plastic wood filler prior to finishing.

3.2.6. Sanding: Flooring shall be sanded to a smooth, even, uniform finish without burns. A minimum of three (3) sanding cuts, each with finer sandpaper, shall be made. A heavy drum-type sander shall be used for floors, except a disc-type sander will be permitted for the final cut on flooring. Coarse sanding that unnecessarily wastes flooring shall not be permitted. Either the first pass or the second pass of the drum-type sander shall be at an angle of 45 degrees to the grain. Other passes of the drum-type sander shall be in the direction of the grain of flooring. Stairs, areas near walls and corners and in small closets shall be finished with an edger or by hand methods. The sandpaper for the first traverse shall not exceed No. 1-1/2 in coarseness. The sandpaper for the second traverse shall not exceed No. 1/2 in coarseness. The sandpaper for the final traverse shall be No. 0

coarseness. No. 00 grit paper is optional for the final cut. The floors shall be thoroughly cleaned after each sanding. The final sanding shall be performed at a time and in a manner that will permit application of the initial polyurethane coating to be completed within eight (8) hours after completion of sanding. The flooring shall be left clean and ready to receive the finishing materials.

3.2.7. Filling: After the second sanding, sweep the floor of all sandings. Apply plastic wood filler, completely filling all cracks (1/16-inch or wider), all joints, openings, holes and depressions. Allow to set and dry IAW the manufacturer's instructions before making the final cut.

3.2.8. Base shoe: Upon completion of sanding operations, the Contractor shall install new base shoe sized to match the original. Fill all nail-holes in new base shoe and prepare for finish. New base shoe shall be finished to match the refinished hardwood floor.

3.2.9. Seal Coat: After all sanding is complete, apply one (1) coat of sealer with a manufacturer's approved applicator. Allow the seal coating to dry thoroughly, a minimum of 24 hours before proceeding with the next operation. Longer drying time may be required depending on temperature and humidity conditions. Remove all air bubbles by sanding with a steel wool pad not to exceed No. 0 in coarseness. The floor shall then be thoroughly cleaned of all dust particles before applying the finish coat.

3.2.10. Finish coat: After the sealer has been applied and is dry, apply the polyurethane coating IAW the manufacturer's approved installation instructions.

3.2.11. Existing Base: Upon completion of the floor refinishing operation, existing base shall be repainted IAW SECTION 09900. Color of paint shall match the existing.

3.2.12. All existing floor mounted doorstops on hardwood floors to be refinished shall be removed and holes in floor shall be filled and sanded prior to finishing of floors. After floor refinishing is complete, install new base mounted door stops conforming to the requirements of SECTION 08700 at all swing type doors in areas where hardwood flooring is refinished, regardless of whether the door originally had a door stop or not.

3.3. CLEANUP: Upon completion of operations in a set of quarters, the Contractor shall thoroughly clean the entire quarters of all sanding residue, dust, smears and marks generated by his operations.

3.4. PROTECTION: From the time of installation until final acceptance, flooring shall be protected from damage.

4. PAYMENT:

4.1. Replacement of Damaged Hardwood Flooring: Payment for replacement of damaged hardwood flooring shall be made at the unit Task item per square foot (SF) for areas of flooring that are actually replaced. Floor areas that are replaced shall be measured prior to finishing.

4.2. Refinishing of Hardwood Floors: Payment for refinishing hardwood floors shall be made at the unit Task item per square foot for floor areas that are refinished. Where all hardwood floors in a set of quarters are refinished, payment will be made for the number of square feet (SF) of hardwood flooring refinished IAW "TYPICAL QUARTERS Repairs, Painting, and Floor Refinishing" Exhibit of these specifications for the type of quarters that are refinished. Where less than all floors in a set of quarters are refinished, payment will be made for the number of square feet (SF) of hardwood flooring actually refinished in accordance with the applicable unit Task item.

4.3. Payment for removal of the existing floor mounted doorstops and installation of the new base mounted door stops shall be included in the Task item for refinishing hardwood floors and no additional payment will be made for this work.

4.4. Payment for removal of the existing base shoe and installation and finishing of new base shoe shall be included in the Task item for refinishing hardwood floors and no additional payment will be made for this work.

4.5. Payment for the furnishing and installation of filter materials shall be included in the Task item for refinishing hardwood floors and no additional payment will be made for this work.

4.6. Payment for repainting of base shall be included in the unit Task item for refinishing hardwood flooring and no additional payment will be made for this work.

SECTION 09650
RESILIENT FLOORING

1. GENERAL

1.1. APPLICABLE PUBLICATIONS: The Federal Specifications (Fed. Spec.) listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

L-F-475A & Am-1 & Int Am-2	Floor Covering Vinyl, Surface (Tile and Roll) with Backing
L-F-001641 & Am-1	Floor Covering Translucent or Transparent Vinyl Surface with Backing
P-F-430C & Am-1	Finish, Floor, Water-Emulsion (For Use on Light Colored Floors)
SS-T-312B & Int Am-1	Tile, Floor: Asphalt, Rubber, Vinyl, and Vinyl Composition
SS-W-40a & Notice 1	Wall Base: Rubber, and Vinyl Plastic

1.2. SUBMITTALS:

1.2.1. Samples: Three (3) samples of each color of sheet vinyl flooring required shall be submitted for approval. The manufacturer's standard color and pattern charts shall be submitted for selection of colors and patterns to be used.

1.2.2. Descriptive Data: Manufacturer's descriptive data and installation instructions shall be submitted for approval. Cleaning and maintenance instructions shall be furnished for information.

1.2.3. Test Reports: Copies of test reports shall be furnished showing that representative samples of the flooring proposed for use have been tested within the past year and conform to the requirements specified herein.

1.3. DELIVERY AND STORAGE: Materials shall be delivered to the building site in original unopened containers, shall be stored in a clean dry area with temperature maintained above 70 degrees Fahrenheit for two (2) days prior to installation and shall be stacked according to the manufacturer's recommendations.

1.4. ENVIRONMENTAL REQUIREMENTS: Areas to receive resilient flooring shall be maintained at a temperature above 70 degrees Fahrenheit for two (2) days before application, during application and two (2) days after application. A minimum temperature of 55 degrees Fahrenheit shall be maintained thereafter.

1.5. SCHEDULING: Resilient-flooring installation shall be scheduled after the completion of painting and other work that would damage the finished surface of the flooring.

2. PRODUCTS:

2.1. SHEET VINYL FLOORING shall conform to Fed. Spec. L-F-475, Type II, Grade A, or Fed. Spec. L-F-1641, Class 1. Sheet vinyl flooring shall be not less than twelve (12) feet wide, shall be non-cushioned, shall be of the color and pattern selected from the manufacturer's standard color charts and shall have a no-wax surface. Sheet vinyl flooring shall have an alkali and moisture resistant backing.

2.2. VINYL BASE MOLDING shall conform to Fed. Spec. SS-W-40, Type I or Type II, Style B. Base shall be four (4) inches high, continuous roll, minimum 0.080-inch thick of the color to be selected by the Contracting Officer.

2.3. EDGE STRIPS shall be of aluminum, one-inch (1") wide and of thickness to match flooring and shall be of the color selected from the manufacturer's standard color charts.

2.4. ADHESIVE for flooring and wall base shall be as recommended by the flooring manufacturer.

2.5. BASE SHOE shall meet the requirements of SECTION 06200.

3. EXECUTION:

3.1. SURFACE CONDITIONS: Before any work under this section is begun, all defects (i.e. rough spots in the existing flooring to remain, rough areas in new underlayment, scaling concrete, low spots, high spots and uneven surfaces) shall have been repaired IAW the flooring manufacturer's recommendations.

3.2. INSTALLATION OF SHEET VINYL FLOORING: Sheet vinyl flooring shall be installed IAW the approved installation instructions of the manufacturer and with a minimum number of seams (no seams shall be allowed in any room with one wall dimension equal to 12'-0" or less). Flooring shall be cut to, and fitted around, all permanent fixtures, built-in furniture and cabinets, pipes and outlets. Aluminum edge strips shall be provided at all open terminations of flooring, such as at doorways, meeting edges with hardwood flooring, etc. Where practical, edge strips for use in Family Housing areas shall be secured with nails. Nails shall be provided with the edge strips and shall match edge strips in color. Otherwise, edge strips shall be secured with adhesive or nails as recommended by the manufacturer. Doors that open over the new floor covering shall have 1/4-inch minimum clearance. If the bottom of any interior door which opens over the new floor covering, does not have 1/4-inch minimum clearance, the Contractor shall remove the door and trim its bottom edge to provide a minimum clearance of one inch (1") IAW SECTION 08200 Wood Doors.

3.2.1. On bathroom areas to receive sheet vinyl floor covering the existing floor covering, of whatever type encountered, shall be removed, the commode removed and the area shall be overlaid with 1/4-inch plywood underlayment. Any existing 1/4-inch plywood, if encountered, shall also be removed and replaced with new. All surfaces shall be filled and smoothed prior to receiving new sheet vinyl flooring. After the new sheet vinyl floor has been installed, the commode shall be reinstalled with a new wax ring, a new supply line, new shut-off valve and new escutcheon. All wall perimeters in bath areas shall receive four-inch (4") vinyl base molding.

3.2.2. In other areas to receive sheet vinyl floor covering, all existing base shoe shall be removed and disposed of. The existing floor covering, of whatever type encountered, shall be removed, and the area shall be overlaid with 1/4-inch plywood underlayment. All surfaces shall be filled and smoothed prior to receiving new sheet vinyl flooring. Upon completion of installation of new sheet vinyl covering, the Contractor shall install new base shoe sized to match the original. The edge of the new floor covering shall extend under and be held in place by the base shoe. New base shoe and the existing base molding shall be painted IAW SECTION 09900.

3.2.3. In rooms where seams are required (any room with one wall dimension greater than 12'-0"), the Contractor shall seal all seams IAW the manufacturer's instructions.

3.3. DOOR STOPS: All existing floor mounted doorstops on floors to receive new sheet vinyl flooring shall be removed and holes in floor shall be patched prior to installation of new sheet vinyl flooring. After installation of new sheet vinyl flooring, reinstall the existing door stops or install new base mounted door stops conforming to the requirements of SECTION 08700 at all swing type doors in areas where sheet vinyl flooring is installed, regardless of whether the door originally had a door stop or not.

3.4. CLEANING: Immediately upon completion of the installation in a room or an area, flooring and adjacent surfaces shall be cleaned with an approved cleaner to remove any surplus adhesive and dirt.

3.5. **PROTECTION:** The flooring shall be protected from damage from the time it is laid until Government acceptance. Flooring which becomes damaged, loose, broken or curled, shall be removed and replaced. No plumbing leaks shall be allowed from any materials or connections provided by the Contractor in the course of this work.

4. **PAYMENT:**

4.1. Payment for replacement of sheet vinyl flooring in all areas shall be made at the applicable unit Task item per square foot (SF) of vinyl flooring actually replaced and incorporated into the work plus area(s) occupied by kitchen base cabinets, vanities and/or bookcases.

4.2. Payment for removal of existing non-asbestos flooring and installation of 1/4-inch underlayment will be made at the applicable unit Task item per square foot (SF) of flooring actually removed and 1/4-inch underlayment actually replaced and incorporated into the work.

4.3. In bathroom areas, payment for installation of new four-inch (4") vinyl base molding shall be included in the Task item for installation of sheet vinyl floor covering and no additional payment will be made for this work.

4.4. In bathrooms, payment for removal and reinstallation of commode and removal of existing and installation of new wax ring, supply line, shut-off valve and escutcheon shall be included in the Task item for removal and reinstallation of commode, including replacement of new wax ring, new supply line, shut off valve and escutcheon and no additional payment will be made for this work.

4.5. In areas other than bathroom areas, payment for removal of the existing base shoe, installation and finishing of new base shoe and finishing of existing base molding shall be included in the Task item for installation of sheet vinyl floor covering and no additional payment will be made for this work.

4.6. Payment for installation of new aluminum edge strips associated with installation of new vinyl floor covering shall be included in the Task item for installation of sheet vinyl floor covering and no additional payment will be made for this work.

4.7. Payment for sealing seams in sheet vinyl floor covering shall be included in the Task item for installation of sheet vinyl floor covering and no additional payment will be made for this work.

4.8. Payment for removal of the existing floor mounted door stops and reinstallation of the existing door stops or installation of the new door stops shall be included in the Task item for installing sheet vinyl floor covering and no additional payment will be made for this work.

4.9. In all areas, payment for trimming of interior doors in order to provide sufficient clearance over the new floor covering shall be included in the Task item for installation of sheet vinyl floor covering and no additional payment will be made for this work.

SECTION 09900

PAINTING, GENERAL

1. GENERAL:

1.1. APPLICABLE PUBLICATIONS: The publications listed below form a part of this specification to the extent referenced and are referred to in the text by the basic designation only.

1.1.1. Federal Specifications (Fed. Spec.):

TT-C-542E	Coating, Polyurethane, Oil-Free Moisture Curing
TT-E-508C	Enamel, Interior, Semigloss, Tints and White
TT-E-509C	Enamel, Odorless, Alkyd, Interior, Semigloss, White and Tints
TT-E-545C	Primer (Enamel-Undercoat, Alkyd, Odorless, Interior, Flat, Tints and White)
TT-P-2119 Class II	Paint, Latex Base, High Traffic Area, Satin Eggshell Finish (Low Lustre) (For Interior Use)
TT-P-29J & Am-1 & 2	Paint, Latex, Base, Interior, Flat, White and Tints
TT-P-30E & Am-1	Paint, Alkyd, Odorless, Interior, Flat, White and Tints
TT-P-37C	Paint, Alkyd Resin, Exterior Trim, Deep Colors
TT-P-650D	Primer Coating, Latex Base, Interior, White (for Gypsum Wallboard)
TT-P-1511B	Paint, Latex (Gloss and Semigloss, Tints and White) (For Interior Use)
TT-S-711C	Stain; Oil Type, Wood, Interior
TT-V-85C & Am-1 & Int Am-2	Varnish, Oil, Low Sheen, Brush or Spray Application

1.1.2. Federal Standard (Fed. Std.):

No. 595a & Change Colors
Notices 2, 3, 4,
5, 7 & Errata, 8

1.1.3. Steel Structures Paint Council Documents:

SSPC-SP1	Surface Preparation Specification No. 1 and Solvent Cleaning
SSPC-SP3	Power Tool Cleaning
SSPC-SP7	Brush-off Glass Cleaning
SSPC-Paint 27	Basic Zinc Chromate - Vinyl Butyl Wash Primer

1.2. **DEFINITION:** The term "paint" as used herein includes varnishes, emulsions, enamels, paints, sealers and other coatings, whether used as prime, intermediate or finish coat.

1.3. **PACKAGING, LABELING AND STORAGE:** Paints shall be in sealed containers that legibly show the designated name, formula or specification number, batch number, color, quantity, date of manufacture, manufacturer's formulation number, manufacturer's directions including any warnings and special precautions and name of manufacturer. Pigmented paints shall be furnished in containers not larger than five (5) gallons. Storage of paint on the site shall be restricted to the locations designated by the Contracting Officer. Emulsion paints shall be stored to prevent freezing.

1.4. **SUBMITTALS.**

1.4.1. **Paint:**

1.4.1.1. **Certificates of Compliance:** A certificate of compliance shall be furnished IAW SECTION 01300 attesting that all paints proposed for use contain not more than 0.06 percent (0.06%) lead, as defined in paragraph HAZARDOUS MATERIALS RESTRICTIONS.

1.4.1.2. **Manufacturer's Instructions:** Detailed mixing, thinning and application instructions, minimum and maximum application temperature and curing and drying times between coats shall be furnished.

1.4.1.3. **Samples:** While the material is at the site or source of supply, and at a time agreeable to the Contractor and the Contracting Officer, a one-quart sample of each color and batch, except for quantities of fifty (50) gallons or less, shall be taken by random selection from the sealed containers by the Contractor in the presence of a representative of the Contracting Officer. The contents of the sampled containers shall be thoroughly mixed to ensure that the sample is representative. Samples shall be identified by designated name, specification number, manufacturer name and address, batch number, project contract number, intended use and quantity involved.

1.4.1.4. **Proprietary Paint Materials:** The Contractor shall submit for approval the names, quantity represented and intended use for the proprietary brands of materials proposed to be substituted for the specified materials when the required quantity of a particular color is fifty (50) gallons or less.

1.4.1.5. **Test Report:** The Contractor shall furnish a statement as to the quantity represented and the intended use plus the following test report for batches in excess of fifty (50) gallons:

1.4.1.5.1. A test report showing that the proposed batch to be used meets all specification requirements, or;

1.4.1.5.2. A test report showing that a previous batch of the same formulation as the batch to be used met all specification requirements plus on the proposed batch to be used, a report of test results for properties of weight per gallon, viscosity, fineness of grind, drying time, color and gloss.

1.4.1.5.3. **Color Brochure:** The Contractor shall provide the Paint Manufacturer's color brochure for selection of colors by the Contracting Officer.

1.4.2. Knock-down: 1'x 1' sample of knock-down texture, which upon Government approval, shall become the application standard.

1.5. **COLORS AND TINTS:** Unless otherwise directed, colors shall conform to Fed. Std. 595 and shall be as selected by the Contracting Officer from the manufacturer's standard color charts. The color of the undercoats shall vary slightly from the color of the next coat. All surfaces in quarters shall be painted the colors as indicated below:

<u>ROOM</u>	<u>WALL AND TRIM COLOR</u>
All rooms, including halls, stairways and closets, except kitchen and bathrooms (Excluding Trim).	Shell White #37778 (Lusterless)
Kitchen, kitchen closets, bathrooms, bathroom closets, all trim and storerooms.	Shell White #27778 (Semi-gloss)

Stairs and doors shall be painted to match the existing or as directed by the Contracting Officer.

1.6. **QUALITY ASSURANCE PROVISIONS:** When samples are tested, approval of materials will be based on tests of the samples; otherwise, materials will be approved based on test reports furnished with them. If materials are approved based on test reports furnished, samples will be retained by the Government for testing should the materials appear defective during or after application. In addition to any other remedies under the contract, the cost of re-testing defective materials will be at the Contractor's expense.

1.7. **ENVIRONMENTAL CONDITIONS:** Unless otherwise recommended by the paint manufacturer, the ambient temperature shall be between 45 and 95 degrees Fahrenheit when applying coatings other than epoxy, water-thinned, moisture-cure polyurethane and liquid glaze coatings. Water-thinned coatings will be applied only when ambient temperature is between 50 and 90 degrees Fahrenheit. Epoxy, moisture-cure polyurethane and liquid glaze coatings will be applied only within the minimum and maximum temperatures recommended by the coating manufacturer. Moisture-cure polyurethane will not be applied when the relative humidity is below 30 percent (30%). Paints, except water-thinned types, shall be applied only to surfaces that are completely free of moisture as determined by sight or touch. In no case shall paint be applied to surfaces that have visible frost or ice.

1.8. **COVERAGE:** All painting, whether matching the existing colors or changing over to a new color standard, shall be accomplished with one (1) full coat of paint. One (1) full coat of paint is defined as a paint application that will provide complete hiding. The Contractor shall, therefore, apply the paint in sufficient quantity using necessary application techniques and number of passes to insure complete hiding. The determination of complete hiding will be solely the responsibility of the DPW Contract Inspector. Any cost associated with extra effort, change in application technique or any additional quantity of paint required to achieve complete hiding with one (1) coat of paint as herein before defined shall be included in the overall cost of painting surfaces for each respective Task item and is not subject to adjustment.

2. PRODUCTS:

2.1. **MATERIALS** shall conform to the requirements listed herein and in the PAINTING SCHEDULE, except when the required amount of a material of a particular color is fifty (50) gallons or less, in which case an approved first-line proprietary paint material with similar intended usage and color to that specified may be used.

2.2. **HAZARDOUS MATERIALS RESTRICTIONS:** Paints and painting practices shall comply with all applicable state and local laws enacted to insure compliance with Federal Clean Air Standards.

2.2.1. **Lead:** Paints containing lead in excess of 0.06 percent (0.06%) by weight of the total nonvolatile content (calculated as lead metal) shall not be used.

2.2.2. Mercury: Mercurial fungicides shall not be used.

3. EXECUTION:

3.1. Where a full paint is required or a partial paint that requires wall preparation (sanding of wall surface), the Contractor shall furnish and install "hammock style" filter material over HVAC air intake ducts. Once painting is complete, the filter material shall be removed and a new 30% efficient furnace filter installed, identical in dimension to the existing filter.

3.2. SURFACE PREPARATION:

3.2.1. General Requirements: Items not to be painted that are in contact with or adjacent to painted surfaces shall be removed or protected prior to surface preparation and painting operations. Exposed ferrous metals, including nails on or in contact with surfaces to be painted with water-thinned paints, shall be spot-primed with a corrosion-inhibitive primer capable of preventing flash rusting and compatible with the coating specified for the adjacent areas. All surfaces shall be clean and free of foreign matter before application of paint or surface treatments. Oil and grease shall be removed with clean cloths and cleaning solvents prior to mechanical cleaning. Cleaning solvents shall be of low toxicity with a flashpoint in excess of 100 degrees Fahrenheit. Cleaning shall be programmed so that dust and other contaminants will not fall on wet, newly painted surfaces. Items removed prior to painting shall be replaced when painting is completed. Where runs and sags exist from previous painting on any surface, the area shall be scraped and sanded until the surface is smooth and the run or sag is not visible.

3.2.2. Any paint, old or new, on all existing light fixtures to remain shall be removed by the Contractor.

3.2.3. All electrical cover plates shall be removed prior to painting. Cover plates shall be cleaned of all paint and reinstalled after painting is complete or can be replaced with new at the Contractor's expense.

3.2.4. Shop-Painted Items: Surfaces of items finish-painted by the manufacturer, or specified to be finish-painted under other sections of the specifications, are exempted from the requirements for surface preparation and painting. Shop-primed items shall receive surface preparation and finish painting as required by this section.

3.2.5. Ferrous Surfaces: Ferrous surfaces that have not been shop coated shall be solvent cleaned. Surfaces that contain loose, chipped or flaking paint, loose rust, loose mill scale and/or other foreign substances shall be cleaned mechanically with power tools IAW SSPC-SP3 or by sandblasting IAW SSPC-SP7. All irregularities shall be sandblasted, sanded or otherwise mechanically cleaned to remove them from being visible in the final coat. After cleaning, one (1) coat of ferrous metal primer shall be applied to all ferrous surfaces to receive paint other than asphalt varnish and vinyl paint. The semitransparent film applied to some pipes and tubing at the mill is not to be considered a shop coat, but shall be over-coated with the specified ferrous metal primer prior to application of finish coats. Shop coated ferrous surfaces shall be protected from corrosion by treating and touching up corroded areas upon detection.

3.2.6. Galvanized and Nonferrous Surfaces: Galvanized, aluminum and aluminum-alloy, lead, copper and other nonferrous surfaces to be painted shall be solvent-cleaned IAW SSPC-SP1 and treated with a vinyl-type wash coat meeting the requirements of SSPC-Paint 27.

3.2.7. Gypsum Board Surfaces: All damaged gypsum board surfaces shall be repaired IAW SECTION 09250, prior to painting. Gypsum board surfaces shall be dry and shall have all loose dirt and dust removed by brushing with a soft brush, rubbing with a dry cloth or vacuum cleaning prior to application of the first-coat material.

3.2.8. Wood surfaces to be painted shall be cleaned of foreign matter. Wood surfaces adjacent to surfaces to receive water-thinned paints shall be primed and/or touched up before applying water thinned paints. Surfaces shall be checked to insure that finishing nails have been set and all holes and surface imperfections shall be primed. After priming, all holes and imperfections in finish surfaces shall be filled with putty or plastic wood filler, allowed to dry and sanded smooth with sandpaper. Putty or wood filler used shall be compatible with subsequent

coatings. Painting shall proceed when the moisture content of the wood does not exceed 12 percent (12%) as measured by a moisture meter, unless otherwise authorized.

3.2.9. Miscellaneous Requirements:

3.2.9.1. All nails, screws and other devices installed by occupants to hang pictures, towel dispensers, coat racks and wall decorations, shall be removed by the Contractor prior to painting. Replacement of these items after painting is not required.

3.2.9.2. Removal of Nails Protruding From the Wall or Ceiling: Nails shall be removed and replaced with drywall screws as required to bring wallboard in contact with structural framing members. Damaged areas shall be repaired IAW SECTION 09250, and painted IAW this section. Payment for removal of nails, replacing with drywall screws and patching and finishing of areas shall be included in the applicable unit Task item for interior painting and no additional payment will be made for this work.

3.2.9.3. Fire detection devices shall be covered/protected to prevent exposure to dust generated during sanding and painting operation.

3.2.9.4. All holes and other imperfections in surfaces to be painted shall be filled with an approved filler material, colored to match the finish coat if natural finish is required, allowed to dry and then be sanded smooth prior to painting.

3.2.9.5. Previously painted woodwork shall be cleaned and finished surfaces exposed to view shall be made smooth by sanding. Irregularities in the old paint coating caused by peels, streaks or runs shall be sanded and left smooth to receive new paint.

3.2.9.6. Prior to painting operations, the Contractor shall remove and clean all existing paint from all hardware, hardware accessories, light fixtures and similar items left in place and not to be painted. Items left in place, and not to be painted shall be protected by masking. Following completion of painting operations, the Contractor shall reinstall all removed items and remove all masking from all protected items. Cost for this work shall be included in the applicable unit Task item for painting and no additional payment will be made for this work.

3.2.9.7. NOTE: With the exception of those that have been smoke-damaged, quarters will not be cleaned by the Government prior to being issued to the Contractor for painting and/or floor sanding operations. Walls, ceiling and other surfaces will require cleaning by the Contractor prior to performing his work. In particular, all wall surfaces in kitchens and bathrooms shall be cleaned with detergent and/or solvent to remove all grease, fingerprints, crayon marks and other foreign materials prior to painting application.

3.2.9.8. Work required to re-finish kitchen cabinets and/or bathroom vanities shall include complete stripping of the old finish from naturally finished wood surfaces. After stripping is complete, cabinets and/or vanities shall be re-stained, if previously stained, and coated with sand & sealer, all holes repaired and/or filled, and surfaces finished IAW the paint schedule. All stains and marks shall be removed from cabinet or vanity shelves.

3.2.9.9. Work required to paint/varnish kitchen cabinets shall include surface preparation, cleaning as specified herein, all holes repaired and/or filled and cabinets shall receive new finish IAW the paint schedule. NOTE: This work does not require removal of the existing finish or staining of the cabinets. It is accomplished in conjunction with a full paint or a partial paint.

3.2.9.10. The Contractor shall provide knock-down texture on gypsum wallboard as directed by the Contracting Officer, per manufacturer's recommendations. The knock-down texture shall be applied after the surface has been prepared for painting.

3.3. MIXING AND THINNING: Unless otherwise recommended by the manufacturer, paints may be thinned immediately prior to application with not more than one (1) pint of suitable thinner per gallon when necessary to suit conditions of surface, temperature, weather and application methods. The use of thinner shall not

relieve the Contractor from obtaining complete hiding, full film thickness or required gloss. Paints of different manufacturers shall not be mixed.

3.4. APPLICATION:

3.4.1. General Requirements: Paint shall be applied with brush or roller unless otherwise indicated on the paint schedule. At the time of application, paint shall show no signs of deterioration. Uniform suspension of pigments shall be maintained during application. Each coat of paint shall be applied so that the dry film shall be of uniform thickness and free from runs, drops, ridges, waves, pinholes or other voids, laps, brush marks and variations in color, texture and finish. Hiding shall be complete. Rollers for applying paints and enamels shall be of a type designed for the coating to be applied and the surface to be coated. Special attention shall be given to insure that all edges, corners, crevices, welds and rivets receive a film thickness equal to that of adjacent painted surfaces.

3.4.2. Adequate ventilation shall be provided during paint application. All persons engaged in spray painting shall wear respirators. Adjacent areas shall be protected by precautionary measures, as approved by the Contracting Officer.

3.4.3. Where gypsum wallboard has been repaired or replaced, the areas shall be primed IAW the paint schedule prior to application of the finish coat.

3.4.4. The first coat on both faces of wood doors shall be applied at essentially the same time.

3.4.5. Paints shall be applied only to surfaces that are completely free of moisture as determined by sight or touch.

3.4.6. Time Between Surface Preparation and Painting: Surfaces that have been cleaned, pretreated and otherwise prepared for painting shall be given a coat of the specified first coat as soon as practical after such pretreatment has been completed, but prior to any deterioration of the prepared surface.

3.4.7. Coating Progress: Sufficient time shall elapse between successive coats to permit proper drying. This period shall be modified as necessary to suit weather conditions.

3.5. SURFACES TO BE PAINTED: Surfaces listed in the painting schedule will receive the surface preparation, paints and number of coats prescribed in the schedule. NOTE: No equipment shall be painted.

3.6. CLEANING: Cloths, cotton waste and other debris that might constitute a fire hazard shall be placed in closed metal containers and removed at the end of each day. Upon completion of the work, staging, scaffolding and containers shall be removed from the site. Paint and other deposits on adjacent surfaces shall be removed and the entire job left clean and acceptable. The Contractor shall thoroughly clean the entire quarters of all paint residue, dust, smears and marks generated by his operations. Installed equipment such as sinks, washbasins, toilets, stoves, range hoods, light fixtures, refrigerators and cabinets shall be thoroughly cleaned.

3.7. PROTECTION: Upon completion of the painting in each quarters or building, as applicable, the Contractor shall protect the finished work until acceptance of the work by the DPW Contract Inspector.

3.8. FREEING OF WINDOWS AND DOORS: The Contractor shall leave all window sash and doors free and in an operating condition after the applied paint has dried, regardless of the original condition. Sash, window frames and trim, doors and doorframe and trim damaged by the Contractor when freeing from paint sticking shall be repaired and refinished by the Contractor to the satisfaction of the DPW Contract Inspector.

4. MEASUREMENT:

4.1. Measurement of wall shall be based on square feet of wall and trim area determined from the dimensions of the vertical projection of the wall surface from the top of the finished floor, including the bottom of the baseboard and/or shoe mold, or the top of pre-finished wainscot to the finished ceiling and the horizontal

measurement from one corner of the room where walls intersect vertically to either the extremity of the painting limits on that surface, or the opposite corner of wall being measured.

4.2. Measurement of stairway walls shall be based on square feet of wall and trim area determined from dimensions of the vertical projection of the wall surface above the top of the finished treads or wall stringer to the finished ceiling or wall cap; and the horizontal measurement as stated in the proceeding paragraph.

4.3. Measurement of ceilings shall be based on square feet of ceiling area determined from dimensions of the horizontal projection of the painted ceiling surfaces between the finished wall surfaces.

4.4. The total area for payment of walls, ceilings and wainscot is to be calculated with each individual opening of less than 100 square feet (e.g. window, or door) included in the wall, ceiling or wainscot area measurement. Any individual opening larger than 100 square feet in each area shall be subtracted from the wall, ceiling or wainscot area measurement. All wall areas covered by kitchen cabinets, vanities and exterior doors shall not be included in the wall, ceiling and wainscot measurements.

4.5. Measurement of interior doors and windows shall be included in the wall measurement of which they are a part. No additional area will be allowed for these surfaces.

4.6. Measurement of trim (i.e., baseboard, shoe mold, window frame, doorframe, ceiling mold, wall stringers in stairways and painted stairway risers, if encountered) shall be included in the wall measurement.

4.7. Interior measurements of closets and associated shelving shall be included in the wall and ceiling measurements only if the interior is painted.

4.8. Measurement of bookcases and associated shelving shall include only the surfaces actually painted.

4.9. Kitchen Cabinets and Bathroom Vanities:

4.9.1. Measurement for painting of kitchen cabinets in conjunction with a full paint shall include only the surfaces actually painted. Payment for painting of these surfaces shall be made IAW the applicable Task item for this work and as stated in paragraph PAYMENT, below.

4.9.2. Measurement for refinishing Kitchen Cabinets or Bathroom Vanities shall be made by measuring the cabinet or vanity at the face of the unit. Payment will be made at the applicable unit price per lineal foot of cabinet face measured.

4.10. Measurement of exterior doors shall be the actual number of doors that are painted. All surfaces of exterior doors shall require painting. Payment for painting of exterior doors shall be made IAW the applicable Task item for this work as stated in paragraph PAYMENT, below.

4.11. Unless otherwise noted, interiors of closets and storage areas, including the shelving, shall be painted.

5. PAYMENT:

5.1. Full Paint: For quarters which receive a full paint IAW the definition contained in SECTION 01010, paragraph DEFINITION OF UNITS AND TERMS, payment will be made IAW the applicable unit Task item for the style of quarters actually being painted, the applicable Task item per 100 square feet (SQS) of kitchen cabinets that are actually painted and the applicable Task item for the number of exterior doors actually painted. See "TYPICAL QUARTERS Repairs, Painting and Floor Refinishing" Exhibit for the total number of squares per each style of quarters and the area of kitchen cabinets.

5.2. Partial Paint: For quarters which receive a partial paint IAW the definition contained in SECTION 01010, paragraph DEFINITION OF UNITS AND TERMS, payment will be made IAW the unit Task item for partial painting in quarters per square for areas that are actually painted.

5.3. Payment for "hammock style" filter material and new furnace filter shall be included in the applicable unit Task item for full or partial painting and no additional payment will be made for this work.

5.4. Payment for knockdown shall be IAW the applicable Task item and shall only include work directly associated with application of the knockdown texture. Costs associated with surface preparation and painting will be included in the applicable Task item for painting.

6. PAINING SCHEDULE: The painting schedule prescribes the surfaces to be painted and the number and types of coats of paint.

PAINT SCHEDULE

<u>Surface</u>	<u>Finish Coat</u>
Interior trim, bathroom vanities, kitchen cabinets, wood bookcases, doors and windows, except natural finished wood surfaces.	TT-E-508 or TT-E-509
Concrete block and gypsum board surfaces of all kitchen and bathroom walls and ceilings.	
NOTES:	
1. Pre-treat new interior wood doors and trim with TT-E-545 undercoat prior to application of the finish coat.	
2. Paint interior and exterior surfaces of kitchen cabinets and bathroom vanities.	
Concrete block and gypsum board surfaces on walls and ceilings of all rooms other than kitchens and bathrooms.	TT-P-29 or TT-P-30
Repaired or replaced gypsum board requiring priming.	TT-P-650
Previously painted interior wood surfaces, with natural finish, except hardwood floors.	TT-V-85
New and refinished interior wood surfaces, to receive stain and varnish or natural finish, except hardwood floors. (Stain with TT-S-711, fill and sand).	TT-V-85 (2 coats)

NOTE:

Paint interior and exterior surfaces of cabinet doors and drawers to be replaced.

PAINT SCHEDULE

<u>Surface</u>	<u>Finish Coat</u>
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Interior hardwood floors to receive natural finish.

TT-C-542

Type I,
Class A.
(2 coats)

Exterior side of exterior doors and trim on quarters,
and interior and exterior of storage shed and furnace
room doors and trim that was previously painted.

TT-P-37

Exterior side of new exterior doors, frames and trim on
quarters and interior and exterior of new storage shed and
furnace room doors and trim.

TT-P-37
(2 Coats)

Radiators, convector enclosures, electrical conduit runs,
metallic tubing, uninsulated ducts and pipes, pipe
hangers, louvers, grilles and air outlets in areas
having painted adjacent surfaces.

TT-E-508

NOTE: Pre-treat with TT-E-545 undercoat when adjacent surfaces have
semi-gloss finish.

Where painted adjacent surfaces have flat finish.

TT-P-30

Interior and exterior surfaces of metal cabinets.

TT-E-508

NOTE: Pre-treat with TT-E-545 undercoat and spray-apply coatings.

GENERAL NOTE: Where existing painted surfaces, interior and exterior, are to be repainted, the Contractor shall determine compatibility of new paint to existing paint. If new specified paint is not compatible with the existing paint, the Contractor shall notify the Contracting Officer prior to applying the new paint so that the incompatibility problem can be resolved.

NOTE: Where conditions exist in quarters, such as smoke damage, the affected areas shall be primed with TT-P-650 primer under the partial painting task item. These conditions shall be reported to the DPW Contract Inspector and approval obtained from him prior to partial painting.

SECTION 09950

WALL COVERINGS

1. GENERAL

1.1. **APPLICABLE PUBLICATIONS:** The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

1.1.1. **Federal Specification (Fed. Spec.):**

L-P-1040B	Plastic Sheets and Strips (Polyvinyl Fluoride)
CCC-W-408B & Am-2	Wall Covering, Vinyl-Coated

1.1.2. **American Society for Testing and Materials (ASTM) Publication:**

E-84	Surface Burning Characteristics of Building Materials, Test for
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1.2. **SUBMITTALS:**

1.2.1. **Samples:** Two (2) samples of each type, pattern and color of wall covering required shall be submitted for approval IAW SECTION 01300. Samples shall be minimum five inches by seven inches and of sufficient size to show pattern repeat.

1.2.2. **Descriptive Data:** Manufacturer's descriptive data and installation instructions shall be submitted for approval IAW SECTION 01300. Cleaning and maintenance instructions shall be furnished for information.

1.3. **DELIVERY AND STORAGE:** Materials shall be delivered to the building site in original unopened containers. Materials shall be stored flat in a clean dry area with temperature maintained above 50 degrees Fahrenheit.

1.4. **ENVIRONMENTAL REQUIREMENTS:** Areas to receive wall covering shall be maintained at a temperature above 50 degrees Fahrenheit for three days before, during and after application.

2. PRODUCTS:

2.1. **VINYL WALL COVERING:** Vinyl wall coverings shall conform to Fed. Spec. CCC-W-408, Type I. The Contracting Officer shall select colors and patterns from the manufacturer's standard sample charts. A polyvinyl fluoride film, 0.0005-inch thick shall be factory applied to the wall covering. The film shall conform to Fed. Spec. L-P-1040, Type I, Grade B, Class 2. Wainscot cap and/or trim channels shall be used to terminate wall coverings at windows, doors, etc.

2.2. **WAINSCOT CAP AND TRIM CHANNELS:** Wainscot cap and trim channels shall be satin-finished extruded vinyl about 3/4 inch high, feathered at bottom edge, with 3/16 inch exposed face on top edge and grooved to receive the wall covering. Wainscot cap and trim channels shall be applied with both a contact adhesive and mechanical fasteners.

2.3. **PRIMER AND ADHESIVE** shall be mildew resistant and of a type recommended by the wall-covering manufacturer.

3. EXECUTION:

3.1. **SURFACE PREPARATION:** Wall covering shall not be applied to surfaces that will not permit a proper installation. Cracks and holes shall be filled and rough spots shall be sanded smooth. Surfaces to receive wall covering shall be dry. The Contractor shall test moisture content of wall surface with an electric moisture meter and reading shall not be more than five percent (5%). Masonry walls shall have flush joints and shall be coated with a thin coat of joint compound or cement plaster as a substrate preparation. Surface of wall shall be primed IAW the manufacturer's instructions in order to permit removal of wall covering without damaging the wall surface.

3.2. **INSTALLATION:** Installation of wall coverings shall include removal and disposal of existing wall coverings and installation of new vinyl or sisal wall covering, as required. Wall coverings shall be installed IAW the approved installation instructions of the manufacturer. Wainscot cap and trim channels shall be applied with both a contact adhesive and mechanical fasteners.

3.3. **REPAIR SEAMS IN VINYL WALL COVERINGS:** The Contractor shall repair existing vinyl wall covering seams as directed by the Contracting Officer. Repair of seams shall include reattaching all loose seams, corners, etc., with adhesive.

3.4. **CLEAN UP:** Upon completion of the work, all excess paste shall be removed and wall coverings shall be left clean and free of dirt or soiling.

4. **PAYMENT:**

4.1. **Vinyl Wall Coverings:** Payment for installation of vinyl wall coverings shall be made at the applicable unit Task item for replacing vinyl wall covering and shall constitute payment for all work associated with removal, and disposal of the existing wall covering and installation of new wall coverings.

4.2. **Repair Seams in Vinyl Wall Covering:** Payment for vinyl wall covering seam repair shall be made at the applicable unit Task item for repairing seams in vinyl wall coverings and shall constitute full payment for all work associated with wall preparation, re-gluing and cleaning of wall surfaces to be repaired.

SECTION 10800

TOILET ACCESSORIES

1. GENERAL

1.1. **APPLICABLE PUBLICATIONS:** The Federal Specifications (Fed. Spec.) listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

DD-M-00411B
& Am-1

Mirrors, Glass

WW-P-541/8B

Plumbing Fixtures (Accessories,
Land Use) (Detail Specification)

1.2. **GENERAL REQUIREMENTS:** Toilet accessories as specified herein shall be provided in locations as directed by the Contracting Officer. Each accessory item shall be complete with the necessary mounting plates, anchors and fasteners. Concealed mounting plates shall be of sturdy construction with corrosion resistant surface.

1.3. **SAMPLES AND DESCRIPTIVE DATA:** One (1) sample of each accessory proposed for use shall be submitted for approval IAW SECTION 01300. Samples shall be accompanied by descriptive data indicating materials of construction, proposed fasteners for each type of wall construction and mounting instructions.

1.4. **ANCHORS AND FASTENERS** shall be capable of developing a restraining force commensurate with the strength of the accessory to be mounted and shall be suited for use with the supporting construction. Where exposed fasteners are permitted, they shall have oval heads and finish to match the accessories.

1.5. **FINISHES** on metal shall be provided as follows:

<u>Metal</u>	<u>Finish</u>
Stainless Steel	No. 4 general-purpose polished
Carbon steel, copper alloy and brass	Chromium plated, bright

2. **PRODUCTS:** Accessory items shall conform to the respective specifications and other requirements specified below.

2.1. **Medicine Cabinets - Other than Mackenzie Street:** Except as otherwise indicated, medicine cabinets shall meet the requirements of Fed. Spec. WW-P-541, Type III, Class 2, Style R or S. Width, height and depth of cabinet shall match the existing cabinet to be replaced. Cabinet type shall be either surface mounted (Type S) or recessed (Type R) as directed by the Contracting Officer. Cabinet bodies shall be non-metallic, high strength plastic or polystyrene. Enameled steel cabinet bodies will not be acceptable. Mirror shall be provided on cabinet door. Swing door type mirror shall be framed with a channel of stainless steel and hung on a piano hinge and fitted with a bullet catch and a bar stop.

2.2. **Medicine Cabinets - Mackenzie Street:** Medicine cabinet shall match the existing cabinets to be replaced in width, height, and depth. Cabinet type shall be either surface mounted (Type S) or recessed (Type R) as directed by the Contracting Officer. Cabinets shall be provided with sliding plate glass mirrored doors with chrome door pulls. Cabinets shall have adjustable shelves. Where existing cabinets are lighted, the replacement cabinets shall also be furnished with lights.

2.3. **Mirror, Glass:** The glass shall be 1/4-inch thick and shall be chemically coated with silver on one surface. An electrically or chemically applied copper coating film shall protect the silver. A suitable organic coating shall be applied to the copper coating.

2.4. Fiberglass tub wall kits: Fiberglass tub wall kits shall be Swan "Tubwal", Model RM-58, as manufactured by the Swan Corporation, 408 Olive Street, St. Louis, MO 63102, or an approved equal. Tub wall kit shall incorporate a three-panel system with overlapping back panel for adjusting and waterproofing. Tub wall kit shall be made of molded fiberglass reinforced resins with baked on polyurethane coating. Caulking and sealants shall be as specified in SECTION 07920.

2.5. Bathtubs: Bathtubs shall be straight front, recessed, 60 inch x 30 inch x 14 inch, FS WW-P-541/3, porcelain enameled steel.

2.6. Shower Unit: Shower unit for the first floor bathroom in style W quarters shall be 36" x 36" neo-angle, model AW8801S and AP3600 Base by Aqua Glass or approved equal. Shower color shall be white. Shower doors shall be Model AS6060N36 by Aqua Glass or approved equal. Shower doors shall have obscure glass with chrome trim. Shower faucet shall be Model 1495.078 by American Standard (Reliant) or approved equal. Any trim or other material required to provide a complete shower shall be included in this task item.

2.7. Commode: New commode shall match existing in style and color shall be white with a white seat. Under the task item to replace the commode, the Contractor shall replace the commode, seat, supply-line, flush valve and wax ring.

2.8. Lavatory: Lavatory shall conform to Fed. Spec WW-P-541/4. Lavatories shall be vitreous china, minimum 19" x 16" by the manufacturer's standard depth, oval, with trim ring for countertop installation, for counter-set chrome plated combination faucet supply, stopper and drain fitting type 14D self rimming type. Lavatories shall be furnished with holes for faucets and chrome plated supplies and angle stops. Faucet bodies and spouts shall be cast or wrought copper alloy. Faucet shall be of washerless design. Faucet spout strainer shall have internal threads. Escutcheons shall be corrosion resistant steel. Drain assembly including drain plug, cup strainer, cross bars, jam nuts, washers and coupling shall be copper alloy or corrosion resistant steel. Stoppers shall be copper alloy or corrosion resistant steel. Traps shall be of two-piece construction and shall be wrought copper alloy. All faucets and exposed fittings shall be highly polished chrome finish.

3. EXECUTION:

3.1. INSTALLATION:

3.1.1. Medicine Cabinets shall be securely fastened to the supporting construction IAW the approved submittals. Surface of fastening devices exposed after installation shall have the same finish as the attached accessory. Exposed screw heads shall be oval. Fasten cabinets in wood construction with wood screws to studs or blocking and to a rough frame or blocking in masonry construction.

3.1.2. Fiberglass tub wall kits shall be installed IAW the manufacturer's approved installation instructions.

3.1.2.1. If encountered, the Contractor shall remove existing tub kit prior to installation of new tub wall kit. Payment for removal of the existing tub wall kit shall be included in Task item for replacement for fiberglass tub wall kits and no additional payment will be made for this work.

3.1.2.2. Where wall areas to receive new tub wall kits are defective, the wallboard and all wall coverings shall be removed to framing, as required, and new gypsum wall covering shall be installed prior to installation of the new tub wall kit. Gypsum wallboard for use in shower and bathtub areas shall be moisture resistant type gypsum wallboard as specified in SECTION 09250.

3.1.3. Bathtubs: Existing bathtubs shall be removed and new bathtubs shall be installed as per manufacturer's recommendations. If a tub wall kit is installed on the existing bathtub, the Contractor shall replace the tub wall kit as per the applicable task item. New faucets shall be installed only as directed by the Contracting Officer and payment will be made under the applicable task item.

3.1.4. Shower Units: The Contractor shall remove the existing shower unit complete. This will include removal of existing ceramic tile, walls and wall covering as well as the shower pan, some of which contain lead which shall be the Contractor's responsibility for lawful removal and disposal. The Contractor shall provide all materials necessary to install the shower unit IAW the manufacturer's recommendations to include all necessary framing, sheeting, trim, painting and caulking under this task item. Shower doors and faucets shall also be installed under this task item. The Contractor shall also reroute the drain as necessary for the new shower unit.

3.1.5. Lavatory: The Contractor shall provide all plumbing necessary for a complete installation of the lavatory. The Contractor shall cut the countertops as necessary to install the lavatory. Any leaks caused by the Contractor during lavatory installation shall be repaired at no additional cost to the Government.

3.2. PROTECTION: Accessories shall be protected from damage from the time of installation until DPW Contract Inspector final acceptance.

4. PAYMENT:

4.1. Medicine Cabinets: Payment for replacement of medicine cabinets shall be made at the applicable unit Task item for cabinet replacement and shall include all work associated with the removal of the existing cabinet, the installation of the new cabinet, and any patching, painting or other repairs required to provide a complete facility.

4.2. Fiberglass tub wall kits: Payment for replacing fiberglass tub wall kits shall be made at the unit Task item per tub wall kit replaced or installed, as applicable. Payment shall include all work associated with the removal of the existing tub wall kit, if applicable, the installation of the new tub wall kit, and any patching, caulking, painting or other repairs required to provide a completed facility.

4.3. Wallboard: Payment for removal of the defective wallboard and its replacement shall be made at the applicable unit Task item for removing existing wall covering and installing gypsum wallboard.

SECTION 12391

BATHROOM VANITIES

1. GENERAL

1.1. REFERENCED SPECIFICATIONS AND STANDARDS: The following specifications and standards of the issues listed below (including amendments, addenda, and errata), but referred to thereafter by basic designation only, form a part of this specification to the extent required by the references thereto:

1.1.1. Federal Specifications (Fed. Spec.):

LLL-B-810B Building Board, (Hardboard) Hard Pressed, Vegetable Fiber
MMM-A-125D Adhesive, Case in-Type, Water and Mold Resistant

1.1.2. American National Standards Institute (ANSI):

A156.9-1982 Cabinet Hardware ANSI/BHMA
A161.1-1985 Recommended Performance & Construction
Standards for Kitchen and Vanity Cabinets

1.2. GENERAL REQUIREMENTS: Cabinets shall be wood, factory manufactured, factory finished of the type, design, and configuration indicated. Typical size of vanity top shall be 22" deep and 25" wide, except for the handicapped accessible vanities, which shall be 17" deep. Various quarters with 3rd bathrooms have vanities that are 29" to 30" wide. Contractor shall field verify sizes of wing walls that vanities abut and provide narrower cabinets with narrower tops where required so that the entire top will tie into the wing wall (however, 17" shall be the least dimension of any vanity top). Cabinets shall be constructed as specified hereinafter or shall meet the requirements of ANSI A161.1.

1.3. SUBMITTALS:

1.3.1. Shop Drawings: Shop drawings, catalog cuts, and descriptive material shall be submitted for approval in accordance with SECTION 01300. Drawings shall show each type of cabinet and related items and shall clearly indicate pertinent details of construction, fabrication, and attachments.

1.3.2. Samples: Samples to be submitted for approval with the shop drawings shall include the items listed below. In lieu of individual samples, complete minimum size cabinets may be furnished as samples.

1.3.3. Solid Material Counter Top with Integral Back Splash - One section, 4 inches wide.

1.3.4. Door Front - One, finished, with hardware mounted.

2. PRODUCTS:

2.1. MATERIALS: Materials shall conform to the following requirements.

- 2.1.1. Adhesive for Wood Members: Federal Specification MMM-A-125, Type II.
- 2.1.2. Hardboard: Federal Specification LLL-B-810, Type II.
- 2.1.3. Hardwood: Hardwood shall be of kiln dried alder hardwood or similar.
- 2.1.4. Plywood: Plywood shall be solid wood laminated core with no particleboard or pressed filler used except to fill voids. Grades as specified.

2.2. CONSTRUCTION: Vanities shall be essentially of the same construction and outside appearance as existing. Construct vanities with face frame fronts and solid ends, or of frame construction throughout. Frame members shall be constructed of kiln dried hardwood lumber, mortised and tenoned, dovetailed or doweled, and glued together. Brace top and bottom corners with hardwood blocks that are glued with water-resistant glue and nailed in place, or provide frame. Minimum thickness of materials for vanity construction shall be as follows:

2.2.1. Frames: All front frames shall be of kiln dried alder hardwood lumber, have mortise and tenon construction, and are glued and power nailed or optional 2 each 5/16 inch by 2-inches dowel pins.

2.2.2. Sides: Finished sides shall be 3/4-inch birch cabinet, and vanity grade plywood. Unfinished side may be 1/2-inch A-C plywood. Finished sides shall be set into the frame allowing for 1/8-inch reveal. Unfinished sides shall be set into the frame allowing for 1/2-inch reveal.

2.2.3. Backs: Backs of vanities shall be 1/4-inch hardboard, or 1/4-inch A-C plywood.

2.2.4. Bottoms: The bottom of the vanity shall be 3/4-inch A-C fir plywood.

2.2.5. Nailer: Nailers shall be of 3/4 inch by 3-1/2 inch strips.

2.2.6. Doors: Doors shall be of 3/4 inch A2 grade birch plywood.

2.2.7. Finish of Wood Cabinets and Vanities: Exterior finish shall be fruitwood stain with one coat of sanding sealer and two coats of satin lacquer. Interior finish shall be fruitwood stain with one coat of satin lacquer.

2.3. VANITY COUNTERTOPS WITH INTEGRAL BOWLS: Countertop with integral back-splash and integral bowl shall be constructed of a solid surfacing material such as "CORIAN" as manufactured by E.I Du Pont, or equal. Equivalency will be based on the following characteristics: material shall be a solid, non-porous polymer with color and pattern which goes all the way through the material; white matte finish; easy to clean and undamaged by common household cleaners; Class 1 chemical resistance; severe stains and burns must be able to be removed by sanding with minimal impact to the surface.

2.4. CABINET HARDWARE AND ACCESSORY MATERIAL:

2.4.1. General: Provide cabinet hardware and accessory materials associated with architectural cabinets.

2.4.2. Hardware Standard

2.4.2.1. Comply with ANSI/BHMA A156.9 "American National Standard for Cabinet Hardware."

2.4.2.2. Types and finishes of hardware shall be as follows:

<u>Type</u>	<u>Number</u>	<u>Finish</u>
Self-Closing Hinges		Antique Brass
Pulls (wire)	5/16" dia. min. x 3" centers	Antique Brass

3. **EXECUTION:** Vanities shall be installed level, plumb, and true to line and shall be fastened to solid wood with 3-inch wood screws. Install vanity and countertops, accessories, and hardware as indicated. Provide closer and filler strips, and finish moldings as necessary. Prior to final acceptance, the Contractor shall align all doors, adjust all hardware, and clean all surfaces.

SECTION 16500

INTERIOR ELECTRICAL

1. GENERAL:

1.1. **APPLICABLE PUBLICATIONS:** The publications listed below, form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

1.1.1. Federal Specifications (Fed. Spec.):

J-C-30A & Am-1	Cable and Wire, Electrical (Power Fixed Installation)
W-B-30A & Am-2	Ballast, Fluorescent Lamp (Non-Polychlorinated Biphenyl Type)
W-C-596F/GEN Rev 28	Connector, Electrical, Power, General Specification for
W-F-408D	Fittings for Conduit, Metal, (Thick Wall and Thin Wall (EMT) Type)
W-F-414E & Int Am-1	Fixture, Lighting (Fluorescent, Alternating-Current, Pendant Mounting)
W-F-1662A & Int Am-2	Fixture, Lighting (Fluorescent, Alternating-Current, Recessed and Surface Ceiling)
W-J-800E & Am-1	Junction Box; Extension, Junction Box; Cover, Junction Box (Steel, Cadmium, or Zinc-Coated)
W-L-101H & Suppl 1	Lamp, Incandescent, (Electric, Large, Tungsten-Filament)
W-L-116D	Lamps, Fluorescent (General Spec)
W-S-610C & Am-1	Splice Conductor
HH-I-553C & Am-1	Insulation Tape, Electrical (Rubber, Natural and Synthetic)
HH-I-595C	Insulation Tape, Electrical, Pressure-Sensitive Adhesive, Plastic

1.1.2. American Society for Testing and Materials (ASTM) Publication:

D 69-85	Friction Tape for General Use for Electrical Purposes
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1.1.3. National Fire Protection Association (NFPA) Publication:

No. 70

National Electrical Code

1.1.4. Underwriters Laboratories Inc. (UL) Publications:

Building Materials Directory (Jan 1983 with Quarterly Supplements)

UL 20 General-Use Snap Switches; Rev thru Sep 13, 1988

UL 57 Electric Lighting Fixtures (Aug 30, 1972, 12th Ed.; Erratum Sep 23, 1975; Rev thru Jul 22, 1982)

UL 467 Grounding and Bonding Equipment
Nov 14, 1988

UL 498 Attachment Plugs and Receptacles
(Sep 17, 1981, 10th Ed.; Rev thru Sep 14, 1988)

UL 514C Non-Metallic Outlet Boxes, Flush Device Boxes, and Covers
(10 February 1987)

UL 943 Ground-Fault Circuit Interrupters
Sept. 11, 1985

UL 1570 Standard for Fluorescent Lighting Fixtures (Nov 22, 1982, 2nd Ed.; Rev thru Sep 22, 1988)

UL 1571 Incandescent Lighting Fixtures
(Feb 7, 1984, 2nd Ed.; Rev thru Sep 9, 1988)

1.2. GENERAL REQUIREMENTS:

1.2.1. Rules: Unless otherwise specified, the installation shall conform to the requirements of NFPA No. 70, latest edition.

1.2.2. Coordination: The drawings at the end of this section indicate the type of fixtures, or approved equal, to be installed. If any conflicts occur necessitating departure from the drawings, details of departures and reasons therefore shall be submitted as soon as practicable for written approval of the Contracting Officer.

1.2.3. Standard Products: Material and equipment shall be a standard product of a manufacturer regularly engaged in the manufacture of the product.

1.2.4. Capacities of equipment and material shall be no less than those indicated or required by NFPA No. 70.

1.3. APPROVAL OF MATERIALS AND EQUIPMENT: Materials and equipment will be approved based on the manufacturer's published data.

1.3.1. Underwriters Laboratories Inc. (UL) Publications: The label or listing of the Underwriters Laboratories Inc. will be accepted as evidence that the materials or equipment conform to the applicable standards of that agency. In lieu of this label or listing, the Contractor shall submit a statement from a nationally recognized, adequately equipped testing agency indicating that the items have been tested IAW required procedures and that the materials and equipment comply with all contract requirements. However, materials and equipment installed in hazardous locations must bear the UL label unless the data submitted from the other testing agency is specifically approved in writing by the Contracting Officer.

1.3.2. Non-Underwriters Laboratories Inc. (UL) Publications: For other than equipment and materials specified to conform to UL publications, a manufacturer's statement indicating complete compliance with the applicable Federal Specification, Military Specification, or standard of the American Society for Testing and Materials, National Electrical Manufacturers, or other commercial standard, is acceptable.

2. PRODUCTS: Materials and equipment shall conform to the respective publications and other requirements specified below. Other materials and equipment shall be as specified elsewhere herein and as shown on the drawings at the end of this section.

2.1. Fluorescent Lamp Ballast: High-power-factor type conforming to Fed. Spec. W-B-30. In addition, ballasts for 40-watt and larger lamps shall be Class P. and shall be automatic-resetting type.

2.2. Cables: Cables shall conform to Fed. Spec. J-C-30 and shall be of annealed copper.

2.3. Grounding Cables: Grounding cables shall be bare or have green low-voltage insulation.

2.4. Connectors, Wire Pressure: Fed. Spec. W-S-610.

2.5. Device Plates: UL 514C.

2.6. Fittings, Cable and Conduit: Fed. Spec. W-F-408.

2.7. Fixtures: Fixtures shall conform to UL 57 and shall be as shown on the drawings at the end of this section, which accompany and form a part of this specification for the types indicated. Illustrations shown on these sheets are indicative of the general type desired and are not intended to restrict selection to fixtures of any particular manufacturer. Fixtures of similar designs and equivalent energy efficiency, light-distribution and brightness characteristics, and of equal finish and quality will be acceptable if approved by the Contracting Officer.

2.7.1. Fluorescent, General-Purpose Fixtures: Fed. Spec. W-F-414, Type II, style A, B, C and D, W-F-1662, and UL 1570.

2.7.2. Incandescent Lighting Fixtures: UL 1571.

2.8. Lamps:

2.8.1. Fluorescent Lamps: Fed. Spec. W-L-116.

2.8.2. Incandescent Lamps, Large: Fed. Spec. W-L-101.

2.9. Outlet Boxes: Sheet-Steel Outlet Boxes: Fed. Spec. W-J-800.

2.10. Receptacles: Fed. Spec. W-C-596, or UL 498 except that receptacles with ground fault interrupters shall conform to UL 943, Class A or B.

2.11. Splice, Conductor: Fed. Spec. W-S-610.

2.12. Snap Switches: UL 20.

2.13. Tapes:

- 2.13.1. Friction Tape: ASTM D 69.
- 2.13.2. Plastic Tape: Fed. Spec. HH-I-595.
- 2.13.3. Rubber Tape: Fed. Spec. HH-I-553.

2.14. Grounding and Bonding: UL 467.

2.15. Garbage Disposal: Garbage disposal to be 1/2 hp high-speed motor with corrosion proof grinding chamber, stainless steel grind ring, and stainless steel, anti-jam swivel impellers.

2.16. Combination Smoke/Heat/Carbon Monoxide (CO) Detectors: Detectors shall be Kidde Model Number KN-COSM-IB (Part Number 900-0114) or approved equal. Approved equals shall be AC (110 volt) powered, provide loud voice alarm indication (e.g. "FIRE! FIRE!" and "WARNING! CARBON MONOXIDE!"), have test/reset button that simultaneously tests smoke and CO sensors, have low battery indication (announce "LOW BATTERY" and/or flash red light), and be capable of interconnecting with other alarms within the quarters.

3. EXECUTION:

3.1. **LIGHT FIXTURES:** The Contractor shall provide and install various types of light fixtures IAW this specification and the applicable Task items. All fixtures shall be provided with lamps.

3.1.1. Replacement of light fixtures with new light fixtures shall be performed as directed by the Contracting Officer to include removal and disposal of the existing fixture. Payment for replacement of light fixtures shall be made at the applicable unit Task item per fixture and shall include all work in connection therewith.

3.1.2. Removal of recessed light fixture and preparation for installation of new surface mounted fixture: Existing recessed light fixture shall be removed complete with wiring back to the junction box. New wiring, junction box and surface mounted fixture shall be installed IAW this specification in preparation of installation of new surface mounted light fixture. Payment for removal of existing recessed fixture and preparation for installation of new surface mounted light fixture shall be made at the unit Task item for that work and shall include all costs in connection therewith.

3.1.3. The Contractor shall remove any paint (old or new) on existing light fixtures to remain. Payment for removal of paint from light fixtures shall be included in the applicable unit Task item for painting. Light fixtures to be replaced shall not be installed until painting operations are complete.

3.2. **RECEPTACLES, SWITCHES AND COVER PLATES:** All cover plates shall be removed prior to painting.

3.2.1. When directed by the Contracting Officer, 120V duplex receptacles shall be removed and disposed of and new ivory colored duplex receptacles and cover plates shall be installed.

3.2.2. If three-wire grounded type receptacles in installed in two-wire non-grounded branch circuits are encountered, replacement receptacles shall be the two-wire non-grounded type. All duplex receptacles in bathrooms and within six (6) feet of a kitchen sink shall be replaced with GFCI receptacles.

3.2.3. When directed by the Contracting Officer, light switches shall be removed and disposed of and new ivory colored light switches and cover plates shall be installed.

3.3. **GROUNDING:** Except where specifically indicated otherwise, all exposed non-current carrying metallic parts of electrical equipment, and neutral conductor of the wiring system shall be grounded.

3.4. **WIRING METHODS:**

3.4.1. Conductors shall be of copper.

3.4.2. Wire connectors of insulating material or taped, solderless, pressure connectors shall be utilized for all splices where possible. Soldered mechanical joints insulated with tape shall be kept to a minimum.

3.4.3. Sizes shall be not less than required by NFPA No. 70. Branch-circuit conductors shall be not smaller than No. 12 AWG.

3.4.4. Conductor insulation shall be suitable for the application and shall have a temperature rating of not less than 75 degrees Celsius.

3.5. BOXES AND SUPPORTS: Boxes shall be provided in the wiring systems wherever required for making connections, and mounting of devices or fixtures. Boxes shall be sheet steel. Boxes for mounting lighting fixtures shall be not less than four inches square except that smaller boxes may be installed as required by fixture configuration, as approved. Boxes installed for concealed wiring shall be provided with suitable extension rings or plaster covers, as required. Unless otherwise indicated, boxes for wall switches shall be mounted 48 inches above finished floors. Boxes and supports shall be fastened to wood with wood screws or screw-type nails of equal holding strength.

3.6. DEVICE PLATES: One-piece type device plates shall be provided for all outlets and fittings. Plates on finished walls shall be of impact resistant plastic and shall be ivory. Screws shall be of metal with countersunk heads, in a color to match the finish of the plate. Plates shall be installed with all four (4) edges in continuous contact with finished wall surfaces without the use of mats or similar devices. Plaster fillings will not be permitted. Plates shall be installed with an alignment tolerance of 1/16-inch. The use of sectional-type device plates will not be permitted. Plates installed in wet locations shall be provided with gaskets.

3.7. RECEPTACLES: Single and duplex receptacles shall be rated 20 amperes, 125 volts, two-pole, three-wire, grounding type with polarized parallel slots when installed in three-wire grounded branch circuits and 15 amperes, 125 volts, two-pole, ungrounded type when installed in two-wire ungrounded branch circuits. Receptacles for bathrooms and within six feet of kitchen sinks shall be GFCI type. Bodies shall be of ivory phenolic compound supported by mounting strap having plaster ears. Contact arrangement shall be such that contact is made on two sides of an inserted blade. Receptacle shall be side- or back-wired with two (2) screws per terminal. Where applicable, the third grounding pole shall be connected to the metal mounting yoke. Switched receptacles shall be the same as other receptacles specified except that the ungrounded pole of each suitable receptacle shall be provided with a separate terminal. Only the top receptacle of a duplex receptacle shall be wired for switching application.

3.8. WALL SWITCHES: Switches shall be of the totally enclosed tumbler type with bodies of phenolic compound. Handles shall be ivory. Wiring terminals shall be of the screw type or of the solderless pressure type having suitable conductor-release arrangement. Not more than two switches shall be installed in a single-gang position. Switches shall be rated 20-ampere-volt for use on alternating current only.

3.9. LAMPS AND LIGHTING FIXTURES: Fixtures may be provided with No. 18 AWG stranded copper conductors where permitted by NFPA No. 70.

3.9.1. Lamps: Lamps of the proper type, quantity, wattage, and voltage rating shall be delivered to the project in the original cartons and installed in the fixtures just prior to the inspection of the work by the DPW Contract Inspector. Fluorescent lamps shall have standard cool-white color characteristics and shall be of a type that will not require starter switches. Lamps shall be of the rapid-start type.

3.9.2. Accessories such as straps, mounting plates, nipples or brackets shall be provided for proper installation.

3.9.3. Ceiling fixtures shall be coordinated with and suitable for installation in, on, or from the existing ceiling. Installation and support of fixtures shall be IAW NFPA No. 70 and the manufacturer's recommendations.

3.9.4. Sockets of industrial, strip and other open type fluorescent fixtures shall be of the type requiring a forced movement along the longitudinal axis of the lamp for insertion and removal of the lamp.

3.10. TESTS: After the switch, receptacles and light fixture installation is completed and prior to acceptance of the work by the DPW Contract Inspector, the Contractor shall conduct an operating test for approval. The equipment shall be demonstrated to operate IAW the requirements of this specification. The test shall be performed in the presence of the DPW Contract Inspector. The Contractor shall furnish all instruments and personnel required for the tests and the Government will furnish the necessary electric power.

3.11. EXISTING WIRING INSTALLATION: Any existing wiring installation discovered by the Contractor that doesn't conform to the National Electric Code (i.e. no ground wire provided at receptacles, light fixtures, switches, etc.,) shall be immediately brought to the Government's attention for corrective action prior to installation of new switches, receptacles, and/or fixtures. Under no circumstances shall the Contractor install any electrical items that fail to meet the requirements of the National Electrical Code.

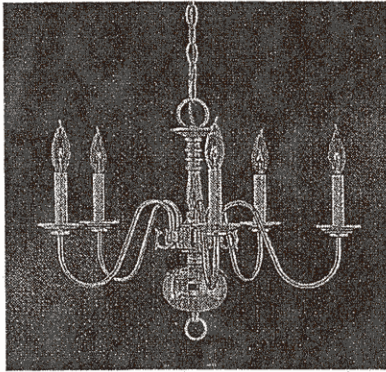
3.12. COMBINATION SMOKE/HEAT/CARBON MONOXIDE DETECTORS: Detectors shall be installed in accordance with manufacturer's instructions. If quarters have multiple detectors where the existing are interconnected, new detectors shall be wired same..

LIGHTING FIXTURE SCHEDULE

NOTE: UNLESS NOTED OTHERWISE, LIGHT FIXTURES AND MODEL NUMBERS INDICATED ARE THOSE OF THOMAS INDUSTRIES, INC. (Brand Name and model numbers are for informational purposes.)

TYPE "A"

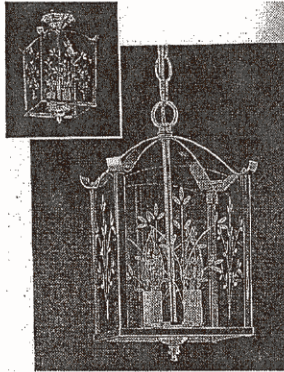
Dining - Various Locations



Model M 2205-1: Solid Brass, five-light chandelier; Width 23"; Height 16"; Length to 52"; Up to 5-60W candelabra base lamps.

TYPE "B"

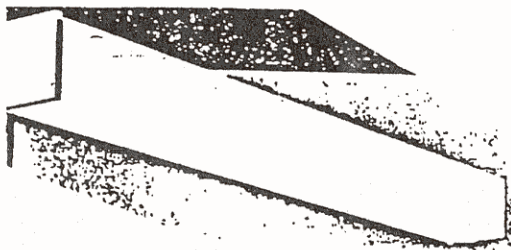
Hall close to ceiling



Model SL-8459: Polished Brass Finish; Width 6-1/2"; Height 12"; Length to 36"; Up to 2-60W base lamps w/ patterned clear glass panels.

TYPE "C"

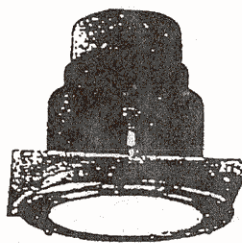
Over Kitchen sink



Lithonia 11872: White finish; Width 4-5/8"; Length 24"; Depth 4-3/4"; 1-20W P.S.; with white acrylic diffuser.

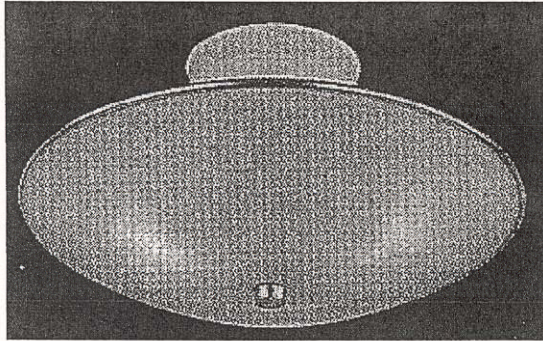
TYPE "CR"

Kitchen, hall, bedroom or bath



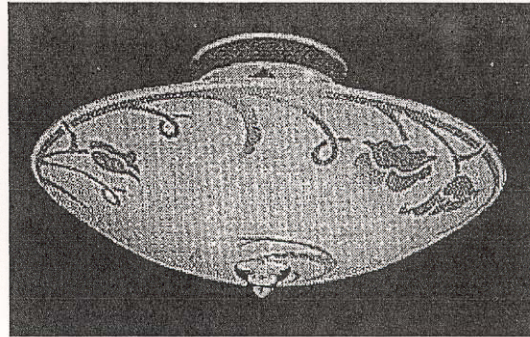
Model RU-320: Aluminum with bottom glass & watertight gasket. Plaster ring included. Diameter 5-3/4"; Depth 7-1/8"; Ceiling opening 4-3/4"; Integral satin aluminum trim.

TYPE "D"
Dining Room fixtures



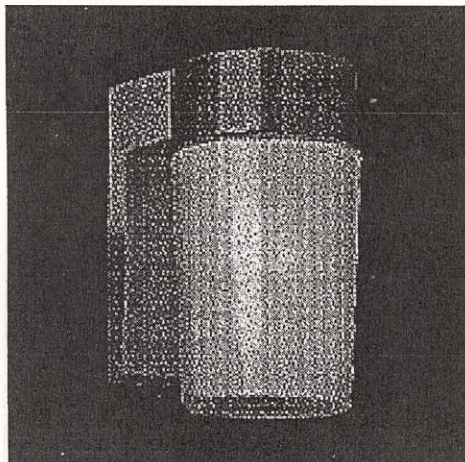
Model M-4011: Polished Brass finish; Ceiling design with swirling screened glass; Dia. 18"; Height 8-1/2"; up to 3-60W incandescent lamps.

TYPE "EC"
Bedroom fixtures



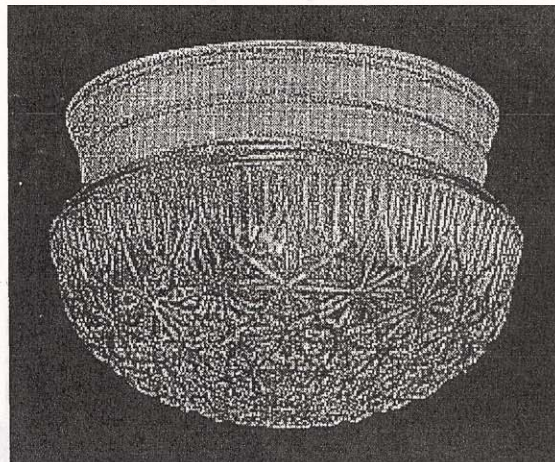
Model SL-7575: Polished Brass Finish Width 15"; Height 8"; White etched floral design glass; up to 3-60W incandescent lamps.

TYPE "EW"
Outside, front and rear porch lights



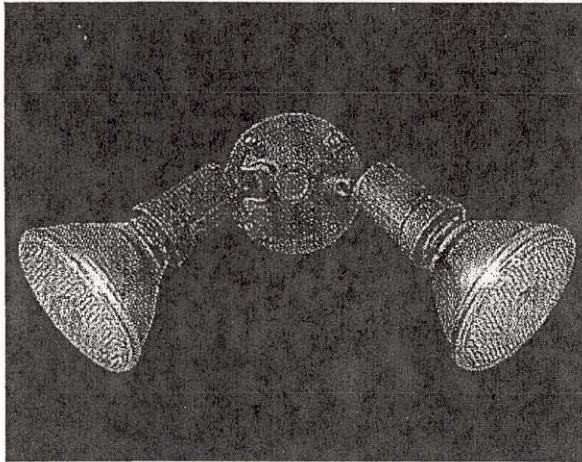
Model SL 875-3: Satin Alum Finish; Width 4-1/2"; Height 7"; length 4-3/4"; 1-100W incandescent lamp; white glass shade.

TYPE "F"
Hallway and Kitchen ceilings



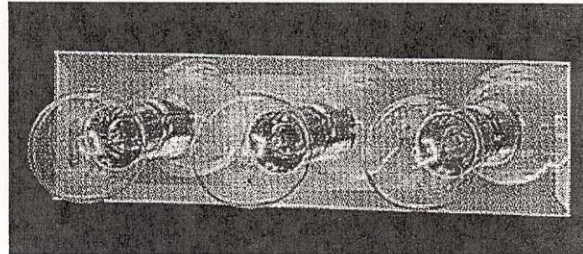
Model SL-8458-1: Two light ceiling style with clear crystal glass. Polished brass finish. 2-60W incandescent lamps max.

TYPE "G"
Outside area - Various locations



Model SL-4946: Aluminum finish;
11" width; extends 5-1/2";
2-50W PAR 38 lamps.

TYPE "J"
Over Bathroom Mirror



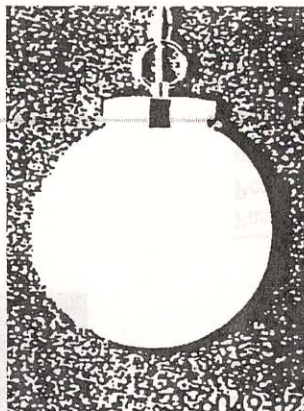
Model SL7323-4: Mirror back-plate;
width 18-3/4"; height 5"; extends
2-3/8"; 3-75W incandescent "G"
lamps.

TYPE "H"
Kitchen - Eating Area



Model DY 6746-1: Polished Brass Finish
with porcelain column; Width 13";
Height 16-1/2"; Length to 41";
2-100W lamps; Opal glass w/gold band.

TYPE "I"
Stairway Landing



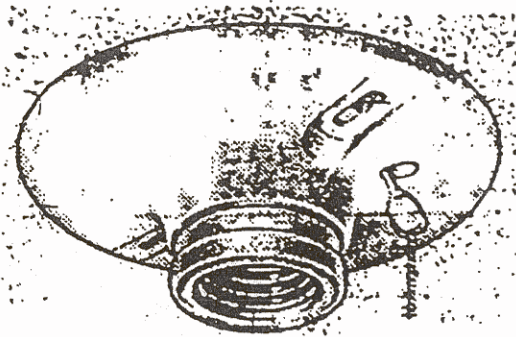
Seagull 6049-02: Polished Brass;
Width 8"; Height 10-1/2"; 1-150W
lamp; hang 8' from stair landing
NOTE: White etched glass shade.

TYPE "FU"
Ceiling lights in utility areas



Model SL8444-12: Polished Brass Finish;
Width 6-1/2"; Height 8"; 1-60W lamp;
Ceiling style with clear ribbed glass.

TYPE "K"
Furnace, Storage and Utility Rooms



Pass & Seymour brand Model 33:
Porcelain lamp holder w/pull;
one 100W lamp.

TYPICAL
QUARTERS

Repairs, Painting and Floor
Refinishing

Quarters Type	Typical Quarters	Painting # of SQs	Refinish Floors # of SF	Kitchen/ Vanity Cabinets # of SQs	Number of Doors
A	4 MACKENZIE	74.0	1171	3.9	33
B	7 MACKENZIE	70.1	1159	4.1	33
CG	1 ESSAYONS	101.0	188	6.6	(unknown)
CHC	17 MACKENZIE	62.9	953	3.8	24
CR	29 MACKENZIE		(to be determined)		
CX	26 MACKENZIE	71.2	1346	4.1	24
D	3 GOETHALS	44.3	770	3.8	20
DCG	2 ESSAYONS	88.5	182	4.1	26
DCG4	4 ESSAYONS	112.1	426	6.5	(unknown)
E	1 GOETHALS	50.0	878	4.3	26
FHC	2 GRIDLEY	59.2	1013	3.2	26
FR	67 DELAFIELD	61.2	1023	2.9	17
FXHC	70 DELAFIELD	68.8	1013	3.6	26
FXR	6 GRIDLEY	65.7	1250	3.8	26
G	1 MACKENZIE	102.2	515	3.9	26
I	9 TURNER	53.2	920	2.8	29
J	1 BARGER	43.3	710	3.5	24
JHC	24 ELLIS	51.1	963	3.5	24
JR	2 ELLIS	56.1	957	3.3	24
K	5 BARGER	43.0	725	3.6	21
KHC	21 HATLER	39.3	739	4.4	(unknown)
KR	59 BARKLEY	46.7	717	3.0	21
L	68 FUNK	45.5	792	2.3	25
LR	66 FUNK	64.3	1060	2.3	25
O	9 TOTTEN	56.0	1052	3.0	16
P	10 HUMPHREYS	57.7	607	3.4	16
PX	37 WILLIAMS	66.6	1202	2.6	18
Q	2 DANIELS	54.4	917	2.3	15
R	2 MONTROSE	52.2	970	2.6	15
RX	70 MONTROSE	61.5	1166	2.6	18
S	4 KIRBY	66.1	1196	3.5	21
T	18 KIRBY	68.1	1271	2.3	22
TX	13 KIRBY	68.8	1342	2.4	22
U	10 CABLE	45.0	797	2.6	12
V	33 CABLE	52.6	977	3.7	15
VX	34 CABLE	57.3	1116	3.0	19
W	39 CABLE	64.6	1142	3.0	21

Y 2 MACKENZIE 91.6 511 2.9 26

WORKLOAD DATA

I. Repairs, painting and floor refinishing:

<u>Month/Year</u>	<u>Number of Quarters Issued to the Contractor</u>
April 2000	77
May 2000	117
June 2000	136
July 2000	137
August 2000	133
September 2000	111
October 2000	120
November 2000	80
December 2000	108
January 2001	82
February 2001	70
March 2001	<u>92</u>
TOTAL	1263

NOTE: Quantities given are computed from workload data for the period indicated. Actual quantities of quarters that are issued may vary considerably from those given in this exhibit. This data is provided for informational purposes only.

II. Preventive Maintenance: The workload data provided below came from Contractor supplied data. Actual labor hours expended and material used may vary from the data provided. This data is provided for informational purposes only.

Labor: Sixty quarters that received preventive maintenance during the year 2000 where randomly selected. The labor hours expended performing preventive maintenance for these quarters totaled 216.5, for an average of 3.6 hours per quarter.

Material: Material used while accomplishing the preventive maintenance in the same sixty quarters, is as follows:

<u>Item</u>	<u>Quantity</u>	<u>Item</u>	<u>Quantity</u>
60W Incandescent Bulbs	143 EA	Faucet Handles	2 EA
25W Incandescent Bulbs	2 EA	Soap Dishes	4 EA
Flood Light Bulbs	11 EA	Towel Bar Brackets	4 EA
Misc. Florescent Bulbs	12 EA	Towel Bars	2 EA
15A Receptacles	2 EA	Wax Rings	3 EA
GFCI Receptacles	1 EA	Flush Valve Kits	2 EA
Window Balances	101 EA	Flappers	3 EA
Window Clips	82 EA	Toilet Seats	3 EA
Window Balance Stops	2 EA	Stool Bolts	6 EA
Window Vinyl Trim	1220 LF	Supply Lines	1 EA
Pivot Locks	180 EA	Faucet Stems	1 EA
Pivot Bars	6 EA	Stopper Throats	1 EA
Storm Door Springs	22 EA	Aerators	2 EA
Storm Door Closures	7 EA	Sink Stoppers	2 EA
Storm Door Latches	5 EA	Tub Stopper	1 EA
Storm Door Chains	4 EA	Drain Gaskets	3 EA
Storm Door Clips	13 EA	"P" Traps	1 EA
Door Stops	1 EA	Washer Kits	6 EA
Door Striker	2 EA	O-Ring Kits	5 EA
Closet Bolt Kit	2 EA	Hot Water Heater Flex Line	1 EA
Sheet Metal	12 SF		
Aluminum Edge Strip	374 LF		
Dryer Hose	4 LF		
Downspout Elbows	3 EA		
End Caps	6 EA		
Bull's Eye Bulbs	2 EA		

52.228-1 BID GUARANTEE (SEP 1996)

(a) Failure to furnish a bid guarantee in the proper form and amount, by the time set for opening of bids, may be cause for rejection of the bid.

(b) The bidder shall furnish a bid guarantee in the form of a firm commitment, e.g., bid bond supported by good and sufficient surety or sureties acceptable to the Government, postal money order, certified check, cashier's check, irrevocable letter of credit, or, under Treasury Department regulations, certain bonds or notes of the United States. The Contracting Officer will return bid guarantees, other than bid bonds, (1) to unsuccessful bidders as soon as

practicable after the opening of bids, and (2) to the successful bidder upon execution of contractual documents and bonds (including any necessary coinsurance or reinsurance agreements), as required by the bid as accepted.

- (c) The amount of the bid guarantee shall be 20 percent of the bid price or \$ 3,000,000, whichever is less.
- (d) If the successful bidder, upon acceptance of its bid by the Government within the period specified for acceptance, fails to execute all contractual documents or furnish executed bond(s) within 10 days after receipt of the forms by the bidder, the Contracting Officer may terminate the contract for default.
- (e) In the event the contract is terminated for default, the bidder is liable for any cost of acquiring the work that exceeds the amount of its bid, and the bid guarantee is available to offset the difference.

52.228-15 PERFORMANCE AND PAYMENT BONDS--CONSTRUCTION (JUL 2000)-

- (a) Definitions. As used in this clause--

Original contract price means the award price of the contract; or, for requirements contracts, the price payable for the estimated total quantity; or, for indefinite-quantity contracts, the price payable for the specified minimum quantity. Original contract price does not include the price of any options, except those options exercised at the time of contract award.

- (b) Amount of required bonds. Unless the resulting contract price is \$100,000 or less, the successful offeror shall furnish performance and payment bonds to the Contracting Officer as follows:

- (1) Performance bonds (Standard Form 25). The penal amount of performance bonds at the time of contract award shall be 100 percent of the original contract price.

- (2) Payment Bonds (Standard Form 25-A). The penal amount of payment bonds at the time of contract award shall be 100 percent of the original contract price.

- (3) Additional bond protection. (i) The Government may require additional performance and payment bond protection if the contract price is increased. The increase in protection generally will equal 100 percent of the increase in contract price.

- (ii) The Government may secure the additional protection by directing the Contractor to increase the penal amount of the existing bond or to obtain an additional bond.

- (c) Furnishing executed bonds. The Contractor shall furnish all executed bonds, including any necessary reinsurance agreements, to the Contracting Officer, within the time period specified in the Bid Guarantee provision of the solicitation, or otherwise specified by the Contracting Officer, but in any event, before starting work.

- (d) Surety or other security for bonds. The bonds shall be in the form of firm commitment, supported by corporate sureties whose names appear on the list contained in Treasury Department Circular 570, individual sureties, or by other acceptable security such as postal money order, certified check, cashier's check, irrevocable letter of credit, or, in accordance with Treasury Department regulations, certain bonds or notes of the United States. Treasury Circular 570 is published in the Federal Register or may be obtained from the U.S. Department of Treasury, Financial Management Service, Surety Bond Branch, 401 14th Street, NW, 2nd Floor, West Wing, Washington, DC 20227.

- (e) Notice of subcontractor waiver of protection (40 U.S.C. 270b(c)). Any waiver of the right to sue on the payment bond is void unless it is in writing, signed by the person whose right is waived, and executed after such person has first furnished labor or material for use in the performance of the contract.

(End of clause)